My SQL Worksheet-1

(DDL - Database Related commands)

1.	If a database "Employee" exists, which MySql command helps you to start working in that database?
	Use Employee;
2.	Write MySql command will be used to open an already existing database "LIBRARY".
	Use Library;
3.	Write MySql command to open an existing database.
	Use databasename;
4.	What does SQL stand for? What is MySQL?
	SQL Stands for structured query language. Mysql is an open source RDBMS (Relational Database Management System)
5.	Write two examples of DBMS software.
	SQL Server, My SQL, Oracle, Ingres, Postgres
6.	Sharmila wants to make the database named 'COMPANY' active. Write MySQL commands for it.
	Use Company;
7.	What is MySQL ?
	Mysql is an open source RDBMS (Relational Database Management System)
8.	What is the relationship between SQL and MySQL?
	SQL is a language to give commands in MySQL or any other RDBMS software.
9.	Mention any two example of common Database Management System.
	SQL Server, Ingres, Postgres, MySQL
10	Suggest Archana suitable command for the following purpose:
	i. To display the list of the database already existing in MySQL.
	ii. To use the database named City.iii. To remove the pre-existing database named Clients.
	i. Show Databases;
	ii. Use City;
	iii. Drop database clients;
11	Write the command to display the name of the active database.
	Select Database();
12	Write the command to create a new database "School"
	Create database school;

Informatics Practices My SQL Worksheet-2

(DDL - Table Related commands excluding Alter table)

1.	Write an SOL ou	iery to cr	eate tl	ne table 'Men	u' with the following structure:			
1.	Field	Type		Constraint	a mar are ronowing salucture.			
	ItemCode	Varchar(5)		Primary Key				
	ItemName	Varchar(20)	, ,				
	Category	Varchar(20)					
	Price	Decimal(5,	2)					
	Create table N ItemCode vard Itemname var Category Vard Price Decimal	char(5) char(20 char(20)),	ry key,				
2.			e prim	ary keys? Ca	n it have multiple foreign keys?			
	key. Yes, a table ca	an a mu	ltiple 1	foreign keys				
3.	In a Student table, out of Roll Number, Name, Address which column can be set as Primary key and why? RollNumber can be set as Primary Key as two students cannot have a same roll number.							
4.		torage sp			ent of a table "BACKUP" alongwith its structure atement should she use ?			
5.	Write MySql cor Table STOCK :	nmand to	creat	e the Table S	TOCK including its Constraints.			
	Name of Column	Туре	Size	Constraint				
	Id	Decimal	4	Primary Key				
	Name	Varchar	20	100.0327				
	Company	Varchar	20					
	Price	Decimal	8	Not Null				
6.	Create table S Id Decimal(4) Name Varchar Company Varc Price Decimal Write one simila	Primary (20), (har(20) (8) Not l	, Null);	fference bety	veen CHAR and VARCHAR data types.			
	Similarity: Both char and same type of the control	l varchavalues.	r can	store alpha	abets as well as numbers. Both can store ype whereas varchar is a variable length			
7.	on she forgot t she can check	he table the struc	structu	ıre. Suggest l	ned 'Product' in a database using MySQL. Later ner suitable MySQL command through which created table.			
	Describe Pro	auct;						
	1							

Roli wants to list the names of all the tables in her database named 'Gadgets', Which 8. command (s) she should use to get the desired result. Use Gadgets: Show tables; Name the SQL commands used to: 9. (i) Physically delete a table from the database. (ii) Display the structure of a table. **Drop table tablenae:** ii) **Describe tablename**; Write one similarity and one difference between UNIQUE and PRIMARY KEY constraints. 10 Similarity: Both Unique and primary key restricts duplicate values in the field. Difference: Unique allows null values whereas Primary doesnot allow null values to be inserted in the field. An attribute A of datatype varchar(20) has the value "Amit". The attribute B of datatype 11 char(20) has value "Karanita". How many characters are occupied in attribute A? How many characters are occupied in attribute B? A will occupy 4 character space. B will occupy 20 character space. 12 Mrs. Sharma is the classteacher of Class 'XII A' She wants to create a table 'Student' to store details of her class. i) Which of the following can be the attributes of Student table? a) RollNo b) "Amit" c) Name ii) Name the Primary key of the table 'Student'. State reason for choosing it. RollNo and Name can be the attributes of student table. i) ii) RollNo can become the primary key of the student table as two students cannot have a same roll number. 13 Write SQL guery to create a table 'Player' with the following structure: Field Type Constraint playerid Integer Primary key Varchar(50) name Integer height weight Integer datebirth Date teamname Varchar(50) **Create table Player(** Playerid integer primary key, Name varchar(50), Height integer, Weight integer, Datebirth date, **Teamname varchar(50));** Anita has created the following table with the name 'Order'. 14 Table: Order **Column Name** Constraint OrderId Primary Key Not Null OrderDate OrderAmount StoreId

One of the rows inserted is as follows:

OrderId	OrderDate	OrderAmount	StoreId
O101	2015-02-12	34000	S104

(i) What is the data type of columns Orderld and OrderDate in the table Order?

(ii) Anita is now trying to insert the following row:

OrderId	OrderDate	OrderAmount	StoreId
O102	NULL	59000	S105

Will she be able to successfully insert it? Give reason.

- i)The datatype for orderID field can be either char or varchar The datatype for orderDate is date
- ii) She will not be able to insert the above record as she is inserting a null value in the orderdate field and the orderdate field have a not null constraint which cannot accept null values.

15 Write SQL query to create a table 'Event' with the following structure :

Field	Type	Constraint
EventId	Varchar(5)	PRIMARY KEY
EventName	Varchar(30)	NOT NULL
Location	Varchar(50)	
ClientID	Integer	
EventDate	Date	

Create table Event(

EventID varchar(5) Primary Key,

EventName varchar(30) not null,

Location varchar(50),

CleintID Integer,

EventDate date);

16 Observe the given table carefully and answer the following questions:

PanNo	Name	Phoneno	Address
CIZPW123A	Rajesh Kumar	9599123456	WZ11 – Rajouri
			Garden, Delhi
ABWQ2341B	Hemant Kumar	9812345678	Modern
			Apartments,
			Pitampura, Delhi
DERA9786T	Naveen Sharma	7868654235	CA 22, Sector 21
			Rohini,Delhi
PARD3457L	Sourabh Verma	8933217645	JD 61,
			Sector20,Gurgaon
GDTF8762P	Nishant Kumar	NULL	Modern
			Apartments,
			Pitampura, Delhi
MERT2376G	Hemant Kumar	9811110891	F40, Sector 19,
			Rohini, Delhi

- i. Name the column that might have a Primary Key constraint. Justify your answer.
- ii. Name the column that might have a Unique constraint. Justify your answer.
 - i. PanNo might have a Primary Key constraint as two person cannot have a same Pan Number.
 - ii. PhoneNo might have a unique constraint as two person will be having different mobile numbers.
- "ABC" Event Management Company requires data of events that are to be organized.

 Write SQL query to create a table 'Event' with the following structure:

	Field		Туре	Constraint				
	Even	tId	Integer	Primary key				
	Even	t	Varchar(50)					
	DateI	Event	Date					
	Numl	Performers	Integer					
	Create table Event(EventID Integer Primary Key, Event Varchar(50), DateEvent Date, NumPerformers Integer);							
18	suggest her suitable command for the following purpose: i. To display the list of the database already existing in MySQL. ii. To use the database named City. iii. To remove the pre-existing database named Clients. iv. To remove all the records of the table named "Club" at one go along with its structure permanently.							
	i.	Show da	atabases;					
	ii.	Use City						
	iii.	-	tabase Clier	nts;				
19	İV.		ble Club;	d "Employee"	, Mr. Rishi got confused as which data type he			
19					of char and varchar. Help him in choosing the			
•					Give valid justification for the same.			
					datatype as two employees will not be			
			e length of t					

Informatics Practices My SQL Worksheet-3

(DDL - Table Related commands)

1.	Sahil created a table in Mysql. Later on he found that there should have been another column in the table. Which command should he use to add another column to the table?								
	Alter table tablename add fieldname datatype(size);								
2.		•	•	_		imary key for the table. Give			
		nt which she sho	uld write now to	set th	e column '	CustiD' as the primary key of			
	the table?								
	Alter table	customer add	primary key(cu	stid);					
			11 (11 2) 17						
3.		· · · · · · · · · · · · · · · · · · ·	able 'Hospital' as						
	Patient_No	Patient_Name	Disease	Age	Charges				
	P001	Alya	Viral Fever	14	500				
	P002	Kavita	Lung Infection	16	1500				
	P003	Manya	Cough and Cold	20	500				
	P004	Amar	Bone Fracture	22	2500				
	P005	Deep	Viral Fever	15	500				
	Now she wa	nts to add a nev	v column 'Addres	s' to t	he above g	iven table. Suggest suitable			
	MySQL com	mand for the sar	me.						
	Alter table	hospital add a	ddress varchar	(30);					
		-							
4.	Write SQL co	mmand to remo	ve column name	d 'Hob	bies' from	a table named 'Student'.			

	Alter table stu	dent drop	hobbies;					
5.	While creating the table Student last week, Ms. Sharma forgot to include the column Game_Played. Now write a command to insert the Game_Played column with VARCHAR data type and 30 size into the Student table? Alter table student add game played varchar(30);							
	After table stu	dent add g	ame_played varci	nar(30);				
6.	Kunal created th	ne following	table with the nam Table : Fri					
	EriandCodo	Nama	Hobbios					
	F101	Bijoy	Swimming					
	F102	Abhinav	Reading books					
	F103	Jyotsna	Dancing					
	Now, Kunal want	ts to delete	the 'Hobbies' colun	nn. Write the MySQL statement				
	Alter table frier							
7.	the already exis has errors. Rewr MODIFY TABLE S	ting table 'S ite the corre itudent Hobl	Student'. She has v ect statement. pies VARCHAR;	with datatype and size as VARCHAR(50) in vritten the following statement. However it				
			obbies varchar(5	-				
8.	Ms. Shalini has just created a table named "Employee" containing columns Ename, Department, Salary. After creating the table, she realized that she has forgotten to add a primary key column in the table. Help her in writing SQL command to add a primary key column empid. Also state the importance of Primary key in a table.							
	Alter table en	nployee ad	d primary key(en	npid);				
9.	While creating a table 'Customer' Simrita wrongly added a primary key constraint to the field "CUSTNAME". Now she wants to remove the primary key constraint from the custname field. Help her in writing the correct command.							
	Alter table cu	stomer ass	primary key(cus	tname);				
10	Mr. Akshat have	e added a no	ot null constraint to	the "name" field in "employees" table. But				
				nt. Write the command to delete the not				
	null constraint f			(x/20) multi				
	Aiter table em	ipioyee mo	dify name varcha	ir(30) null;				

Informatics Practices My SQL Worksheet-4

(DML - INSERT INTO commands)

1.		is not able t		value in a co	lumn to NUL	L. What con	straint did she specify
		ull, Primar					
2.	Consid	er the table	RESULT giv	ven below. ole: Result			
	No	Name	Stipend	Subject	Average	Division	
	1	Sharon	400	English	38	THIRD	
	6, "Mo	command to han", 500, "	English", 73	s, "Second"			
	Insert	into Resul	t values(6	, "Mohan", 50	00, "English	", 73, "Sec	ond");
3.	Consid	er the Table	SHOPPE gi	ven below.			
		Item Comp		City Price			
		Biscuit Hide of		Delhi 10.00			
				0, "Kolkata", 5	0.0		
	Insert	into Resul	t values('1	l10', 'Pizza' ,	'Papa Jones	', 120, "Ko	lkata", 50.0);
4.				om 0 (Zero) va			
	Null m	neans no va	alue where	eas 0 is a valu	ue.		
5.	Consid	er the follow	ving table n	amed "GYM"			
	ICODE	INAME	PRICE	E BRANDNAME			
	G101	Power Fit Exercise]	C107 \/:	h.m
		new row ioi itness"	a new iter	n in Grivi with	the details:	GIU/, VI	bro exerciser" ,21000,
	Insert	into Resul	t values("(G107", "Vibro	exerciser"	,21000, "0	GTCFitness");
6.		s meant by l		in MySQL?			
	Null m	neans no va	alue				
7.		e the follow	ing SQL st	atement after	correcting e	error(s). Und	lerline the corrections
	made. INSERT	Γ IN STUDEN	T(RNO,MAR	KKS) VALUE (5,	78.5);		
				O,MARKS) VA		.5);	
8.		e the follow	ing SQL st	atement after	correcting e	error(s). Und	lerline the corrections
	made. INSERT IN EMP(EMPNO, SALES) VALUE (100, 20078.50);						
				SALES) VALU		078.50);	
9.						of the "Emp	o" table but an error is
	being	displayed. V	Vrite the co	rrect SQL stat ALUES(LastNa	ement.		
				ne) VALUES('			
10	Anita	has created	the following	ng table with t	he name 'Ord	der'.	

	Table : 0	Order					
	Column Name	Constraint					
	OrderId	Primary Key					
	OrderDate	Not Null					
	OrderAmount						
	StoreId						
	One of the rows	s inserted is as	follows	:	T	\neg	
	OrderId	OrderI	Date	OrderAmount	StoreId		
	O101 (i) What is the d (ii) Anita is now		umns O	34000 orderId and OrderDa llowing row :	S104 S104 S104 S104	der ?	
	OrderId	OrderI		OrderAmount	StoreId		
	O102	NUL	L	59000	S105		
				it? Give reason. an be either char			
11	The datatype for orderDate is date ii)She will not be able to insert the above record as she is inserting a null value in the orderdate field and the orderdate field have a not null constraint which cannot accept null values.						
	In today's digitized world with a need to store data electronically, it is very important to store the data in the databases. SQL is used to interact with the Database Management System. Classify the following commands according to their type :(DDL/DML) i. INSERT INTO ii. ALTER TABLE						
	i. DML ii.	DDL					
12	Is NULL and 0(zero) same? Jusify your answer.						
•	No null is not same as 0. Null means no value. 0 is a value. Any numerical calculation on null will give null Any numerical calculation on 0 will do the actual calculation.						
13		DML	_				
	i. Data Definit ii. Data Manip						

Informatics Practices

My SQL Worksheet-5 (DML - UPDATE and DELETE commands)

1.	What is		of DROP TABLI	E comn	and in SO	L? How is it different from DELETE	
	Drop t	able deletes t	he table alon	g with	the struct	ure. Delete deletes the records.	
2.	In a dat	cabase there are Table:	e two tables "P PRODUCT	roduct"	as shown b	pelow:	
	P_ID	ProductName	Manufacture	Price			
	P001	Moisturiser	XYZ	40			
	P002	Sanitizer	LAC	35			
	P003	Bath Soap	COP	25			
	P004	Shampoo	TAP	95			
	P005	Lens Solution	COP	350			
		ne command To			all the Prod	ucts by 20.	
	Update	e Product set	price=price +	- 20;			
3.		he UPDATE com ployee table.	nmand to chan	ge "Sha	rma" to "S	singh" in the "LastName" column in	
			t Lastname=	"Singh	" where la	astname="Sharma";	
	\\/\lance	. th	ATE	- : COL	2 112 := :4	different from ALTED statement?	
4.		e the use of UPD e command up			? How is it	different from ALTER statement?	
		ommand mod			f the table	e.	
5.	Conside Table GY	er the following	table named "	GYM"	THE STATE OF THE S		
	ICODE	E INAME	PRIC	E BR	ANDNAME		
	G101	Power Fit Exercis	er 20000	Powe	r Gymea		
	G102	Aquafit Hand Gri	p 1800	Relia	ble		
	G103	Cycle Bike	14000	Ecob	ike		
	G104	Protoner Extreme	Gym 30000	Cosc	ore		
	G105	Message Belt	5000	Mess	agExpert		
	G106 Cross Trainer 13000 GTCFitness Write command To change the Brandname to "Fit Trend India" of the item, whose ICODE as "G101".						
			ndname="Fit	Trend	India" wh	ere lcode="G101";	
6.		the UPDATE sinission'' column			to increas	se commission by 100.00 in the	
		e emp set com			n + 100.0	0;	
7.	Write to	wo examples of	DML command	ds of SC	L.		
		Update, delet					
8.	In a dat	cabase there are	e two tables 'C	D' and '	TYPF' ac ch	own below:	
					111 L 43 311	OWIT DCIOW .	

Table		CT
rabie	:	$\mathbf{c}_{\mathbf{L}}$

CODE	TITLE	DURATION	SINGER	CATEGORY
101	Sufi Songs	50 min	Zakir Faiz	12
102	Eureka	45 min	Shyama Mukherjee	12
103	Nagmey	23 min	Sonvi Kumar	77
104	Dosti	35 min	Bobby	1

m	1 1		
ี 1 ัค	h	•	TYPE

CATEGORY	DESCRIPTION
1	Jazz
12	Classical
40	Country Side
78	Pop

Write SQL statement to change the name of Singer "Sonvi Kumar" to "Sonvi Mehra" in all the places wherever it occurs in CD table.

Update CD set singer="Sonvi Mehra" where singer="Sonvi Kumar";

9. Consider the following table named "GARMENT".

Table : GARMENT

GCODE	GNAME	SIZE	COLOUR	PRICE
111	TShirt	XL	Red	1400.00
112	Jeans	L	Blue	1600.00
113	Skirt	M	Black	1100.00
114	Ladies Jacket	XL	Blue	4000.00
115	Trousers	L	Brown	1500.00
116	Ladies Top	L	Pink	1200.00

- 1) Write command To change the colour of garment with code as 116 to "Orange".
- 2) Write command to increase the price of all XL garments by 10%
- 3) Write command to delete the record with GCode "116"
- 1) Update Garment set colour="Orange" where Gcode=116;
- 2) Update Garment set price=price+price*10/100 where size="XL";
- 3) Delete from garment where gcode=116;

10. In a Database, there are two tables given below:

Table: EMPLOYEE

EMPLOYEEID	NAME	SALES	JOBID
E1	SAMIT SINHA	1100000	102
E2	VIJAY SINGH TOMAR	1300000	101
E3	AJAY RAJPAL	1400000	103
E4	MOHIT RAMNANI	1250000	102
E5	SHAILJA SINGH	1450000	103

Table : JOB

JOBID	JOBTITLE	SALARY
101	President	200000
102	Vice President	125000
103	Administration Assistant	80000
104	Accounting Manager	70000
105	Accountant	65000
106	Sales Manager	80000

Write SQL command to change the JOBID to 104 of the Employee with ID as E4 in the table 'EMPLOYEE'.

Update employee set jobid=104 where employeeID="E4";

In Marks column of 'Student' table, for Rollnumber 2, the Class Teacher entered the marks as 45. However there was a totaling error and the student has got her marks increased by 5. Which MySQL command should she use to change the marks in 'Student' table.

Update student set marks=marks-5 where rollnumber=2;

12. Chhavi has created a table named Orders, she has been asked to increase the value of a column named salesamount by 20. She has written the following query for the same.

Alter table Orders Add salesamount =salesamount+20;

	Is it the correct query?Justify.									
	Update orders set salesamount=salesamount+20'									
13.			llowing table:							
	Table: Ph	narmaL					1			
	RxID Drug DrugName Price Pharmacy PharmacyLocation									
	ID Name									
	R1000	5476	Amlodipine	100.00	Rx	Pitampura, Delhi				
					Pharmacy					
	R1001	2345	Paracetamol	15.00	Raj	Bahadurgarh,				
					Medicos	Haryana				
	R1002	1236	Nebistar	60.00	MyChemi	Rajouri Garden,				
					st	Delhi				
	R1003	6512	VitaPlus	150.00	MyChemi	Gurgaon,Haryana				
					st					
	R1004	5631	Levocitrezine	110.00	RxPharma	South				
					cy	Extension,Delhi				
	Write co	mmand	ds in SQL to inc	rease th	e price of "A	mlodipine" by 50.	•			
	Update	Pharn	naDB set price	e=price	+50 where	drugname="Amle	odipine";			

Informatics Practices

My SQL Worksheet-6

(DML - SELECT command)

1. Pooja, a students of class XI, created a table "Book". Price is a column of this table. To find the details of books whose prices have not been entered she wrote the following query: Select * from Book where Price = NULL;

Select * from book where price is null;

2. The LastName column of a table "Directory" is given below:

Batra
Sehgal
Bhatia
Sharma

Mehta

Based on this information, find the output of the following queries:

a) SELECT lastname FROM Directory WHERE lastname like a%";

b)SELECT lastname FROM Directory WHERE lastname not like "%a";

A) <u>Lastname</u> Batra

B) <u>Lastname</u> Sehgal

3. Consider the table TEACHER given below. Write commands in SQL for (1) to (3) and output for (4)

ID	Name	Department	Hiredate	Category	Gender	Salary
1	Tanya Nanda	SocialStudies	1994-03-17	TGT	F	25000
2	Saurabh Sharma	Art	1990-02-12	PRT	M	20000
3	Nandita Arora	English	1980-05-16	PGT	F	30000
4	James Jacob	English	1989-10-16	TGT	M	25000
5	Jaspreet Kaur	Hindi	1990-08-01	PRT	F	22000
6	Disha Sehgal	Math	1980-03-17	PRT	F	21000
7	Siddharth Kapoor	Science	1994-09-02	TGT	M	27000
8	Sonali Mukherjee	Math	1980-11-17	TGT	F	24500

- i. To display all information about teachers of PGT category.
- ii. To list the names of female teachers of Hindi department.
- iii. To list names, departments and date of hiring of all the teachers in ascending order of date of joining
- iv. SELECT DISTINCT(category) FROM teacher;
- i. Select * from teacher where category="PGT";
- ii. select name from gym where gender="F" and department="Hindi";
- iii. Select name, department, hiredate from teacher order by hiredate;
- iv. **DISTINCT(Category)**

TGT

PRT

PGT

4. The Item No and Cost columna of a table "ITEMS" are given below:

IITEM_NO	COST
101	5000
102	NULL
103	4000
104	6000
105	NULL

Based on this information, find the output of the following queries:

a) SELECT COST +100 FROM ITEMS WHERE ITEM NO > 103;

Ans. <u>COST+100</u> 6100 NULL

5. Consider the table Projects given below. Write commands in SOL for i) to iii) and output for iv)

PROJECTS

ID	ProjName	ProjSize	StartDate	EndDate	Cost
1	Payroll-MMS	Medium	2006-03-17	2006-09-16	60000
2	Payroll-ITC	Large	2008-02-12	2008-01-11	500000
3	IDMgmt-LITL	Large	2008-06-13	2009-05-21	300000
4	Recruit-LITL	Medium	2008-03-18	2008-06-01	50000
5	IDMgmt-MTC	Small	2007-01-15	2007-01-29	20000
6	Recruit-ITC	Medium	2007-03-01	2007-06-28	50000

- i. To display all information about projects of "Medium" ProjSize
- ii. To list the ProjSize of projects whose ProjName ends with LITL.
- iii. To list ID, Name, Size, and Cost of all the projects in descending order of StartDate.
- iv. SELECT DISTINCT ProjSize FROM projects
- i. Select * from projects where projsize="Medium";
- ii. Select projsize from projects where projname like "%LITL";
- iii. Select ID, projName, projSize, cost from projects order by startDate desc;
- iv. <u>ProjSize</u>

Medium

Large

Small

6. The Mname Column of a table Members is given below:

Mname
Aakash
Hirav
Vinayak
Sheetal
Rajeev

Based on the information, find the output of the following queries :

- (i) Select Mname from members where mname like "%v";
- (ii) Select Mname from members where mname like "%e%";
- Ans. i) Mname Hirav Rajeev
 - ii) <u>Mname</u> Sheetal Rajeev
- 7. Sarthya, a student of class XI, created a table "RESULT". Grade is one of the column of this table. To find the details of students whose Grades have not been entered, he wrote the following MySql query, which did not give the desired result.

SELECT * FROM Result WHERE Grade= "Null";

Help Sarthya to run the query by removing the errors from the query and write the correct Query.

Select * from Result where Grade is null;

8. Consider the table RESULT given below. Write commands in MySql for (i) to (ii)

No Name Stipend Subject Average Division (i) To list the names of those students, who Sharon 400 1 English 38 THIRD have obtained Division as FIRST in the Amal 680 Mathematics 72 FIRST ascending order of NAME. FIRST (ii) To display a report listing NAME, 3 Vedant 500 Accounts 67 SECOND SUBJECT and Annual stipend received 4 Shakeer 200 Informatics 55 assuming that the stipend column has 5 85 FIRST Anandha 400 History monthly stipend. THIRD 550 Geography 45 Upasna

- i) Select name from Result where division="First" order by name;
- ii) Select name, subject, stipend*12 from Result;
- 9. Mr. Janak is using a table with following columns:

Name, Class, Course Id, Course name

He needs to display names of students, who have not been assigned any stream or have been assigned Course_name that ends with "economics". He wrote the following command, which did not give the desired result.

SELECT Name, Class FROM Students WHERE Course name = NULL OR Course name="%economics";

Help Mr. J anak to run the query by removing the error and write the correct query.

SELECT Name, Class FROM Students WHERE Course name IS NULL OR Course

	name	LIKE "S	%economi	ics";				
10		er the 1 HOPPE :	Table SHOP	PPE gi	iven be	low. V	Vrite cor	mmand in MySql for (i) to (ii)
	Code		Company	Qty	City			display names of the items whose name
	102	Biscuit	Hide & Seek		Delhi		1	vith 'C' in ascending order of Price. display Code, Item name and City of the
	103	Jam Coffee	Kissan Nestle	200	Kolkata Kolkata	55.00	product	s whose quantity is less than 100.
	106)	SauSele	ctaltem fi	rem :	shoppe	5 9. d0	re iten	n like "C%" order by price;
	1071)	Cake	et code, i	tę ₂ m,	cityifro	m _{.os} r	oppe v	vhere qty<100;
11	What	Maggi is used Chocolate	Nestle in the SEL Cadbury	150 ECT C	Mumbai lause t Delhi	o retu 25.00	rn all th	e columns in the table?
	* (ast	terisk)	sign					
12								lowing outputs of ItemCodes for SELECT
					a table	nam	ed ITEM	.(Both have used the SELECT statements
		same t s Outp:	able ITEM). ut				Fau	ızia's Output
	101						10	
	102						10	
	101	-					10	
	101	-						<u>,, , , , , , , , , , , , , , , , , , ,</u>
	107							
			keyword ha	as Fai	uzia use	ed wit	h SELEC	T statement to get the above output?
	Disti	nct						
13	Consid	er the t	able 'PERS	SONS	' given	below	. Write	commands in SQL for (i) to (iv) and write
	output	for (v).	ne table PERSONS g	given below	v. write comma	ands in		
		SQL for (i)) to (iv) and write outp		to (viii).		(i)	Display the SurNames, FirstNames and
	PI	d Surname Fi	rstname Gender C		PinCode Ba	sicSalary	(1)	Cities of people residing in Udhamwara
	1.			dhamwara		000	410	city.
	3		N	upwara agar hawani		000	(ii)	Display the Person Ids (PID), cities and Pincodes of persons in descending
	4		nomas M Al	hmed agar		000		order of Pincodes.
	5	Mohan Ga		agar oolangatta	390026 33	000	(iii)	Display the First Names and cities of all
	. 6			ew Delhi dhamwara		000		the females getting Basic salaries above 40000.
		(i) Disp	olay the SurNames, F	irstNames			(iv)	Display First Names and Basic Salaries
		in de	escending order of Pine	codes.		persons 1	\·-/	of all the persons whose firstnames
	/\						\//ba== [starts with "G".
	(v) i)							BasicSalary>=50000; <pre>persons where city="Udhamwara";</pre>
	ii)							s order by pincode desc;
	iii)	Sele			e,city	fro	m pe	ersons where gender="F" and
	iv)		icSalary> ect firstna			alarv	from n	ersons where firstname like "G%";
	v)			,		.	p	Surname
			rma					
		Sing Alvi						
14		ndon is	using table ENAME,SAL		with th	ne foll	owing c	olumns.
					mation	of en	nployees	s (from EMP table) in ascending order of
	ENAME	E and w	ithin it in a	ascer	nding o			He wrote the following command, which
			the desired			E DEC	C DEDT	
	SELEC	ı " FKU	M EMP ORI	JEK E	οι ινΑινι	ב חבס	C,DEPT;	

Rewrite the above query to get the desired output. **SELECT * FROM EMP ORDER BY ENAME.DEPT:** Consider the following table named "GYM" with details about fitness items being sold in the 15 store. Write command of SQL for (i) to (ii). Table GYM: ICODE INAME PRICE BRANDNAME (i) To display the names of all the items whose name G101 20000 Power Fit Exerciser Power Gymea starts with "A". Aquafit Hand Grip G102 1800 Reliable (ii) To display ICODEs and INAMEs of all items, whose G103 Cycle Bike 14000 Brandname is Reliable or Coscore. G104 Proton Setect in a me from gym where in a me like "A%"; 5001Code Imame G1051) Messag Pellect from where brandname gym Cross Tring Reliable . "Coscore"): Consider the following table named 'SBOP" with details of account holders. Write 16 commands of MySql for (i) to (ii) and output for (iii). Accountno Name Balance DateOfopen (i) To display Accountno, Name and DateOfopen of account holders having transactions more than 8. Mr.Anil 15000.00 2011-02-24 SB-1 (ii) To display all information of account holders whose SB-2 Mr.Amit 23567.89 transaction value is not mentioned. Mrs.Sakshi 45000.00 2012-02-04 5 SB-3 (iii) SELECT NAME, BALANCE FROM SBOP WHERE NAME LIKE "%i": 23812.35 2013-09-22 SB-4 i) Select Account No, Name, Dateofopen from sbop where transaction > 8;

Select * from sbop where transaction is null; iii) **Name Balance** Mrs. Sakshi 45000.00 When using the LIKE clause, which wildcard symbol represents any sequence of none, one 17 or more characters? % Consider the table FLIGHT given below. Write commands in SQL for (i) to (iv) and output for 18 Table: FLIGHT FLCODE START DESTINATION NO STOPS NO FLIGHTS IC101 DELHI AGARTALA 5 IC102 MUMBAI SIKKIM 3 IC103 **DELHI JAIPUR** 7 0 KANPUR | CHENNAI IC105 2 2 MUMBAI IC107 KANPUR. 0 4 INDORE CHENNAI IC431 3 2 DELHI AHMEDABAD 2 6 IC121 (i) Display details of all flights starting from Delhi. (ii) Display details of flights that have more than 4 number of flights operating. (iii) Display flight codes, starting place, destination, number of flights in descending order of number of flights. (iv) Display destinations along with flight codes of all the destinations starting with 'A'. (v) SELECT DISTINCT(NO STOPS) FROM FLIGHT; i) Select * from flight where start="Delhi"; ii) Select * from flight where no flights>4; iii) Select flcode, start, destination, no flights from flight order by no flights desc: Select destination, floode from flight where destination like "A%"; iv) **NO STOPS** v) 0 1 2 What will be the output of the following queries on the basis of Employee table: 19 | Empld | EName | Salary (i) Select Salary+100 from Employee where Empld='A002';

| A001 | Bob | 5600 |

KILILI

1000 L John L

+----+ i) **Salary +100** NULL Pranay, who is an Indian, created a table named "Friends" to store his friend's detail. 20 Country S_No Name City Email_id Table "Friends" is shown below. 14 Washington USA Alice alice@gmail.com Write commands in SQL for (i) harles@yahoo.com 2 Charles 12 Copenhagen Denmark to (iii) and output for (iv). Chicago 3 16 USA angel@gmail.com Angel Australia 4 Jasmine iasmine@vahoo.com 15 Sydney 5 Raj 14 New Delhi India rai@gmail.com Jette 13 Denmark jette@gmail.com 6 Nykobing 7 Alexender 15 Melbourne Australia NULL i. To display list of all foreigner NULL 8 Shashank 16 Banglore India friends. ii. To list name, city and country in descending order of age. iii. To list name and city of those friends who don't have an email id. iv. Select name, country from friends where age>12 and name like 'A%'; Selct * from friends where country not in("India"); i. ii. Select name, city, country from friends order by age desc; iii. Select name, city from friends where email id is null; iv. Country Name **USA** Alice Angel **USA** Alexender Australia Consider the following table named "GARMENT". Write command of SQL for (i) 21 to (iv) and output for (v) to (vii). Table : GARMENT (i) To display names of those garments that are available in 'XL' size. SIZE COLOUR PRICE GCODE GNAME (ii) To display codes and names of those 1400.00 111 TShirt XT. Red garments that have their names starting with Jeans Blue 1600.00 112 L 'Ladies'. 113 Skirt Black 1100.00 Μ (iii) To display garment names, codes and 4000.00 prices of those garments that have 114 Ladies Jacket Blue XI. price in the range 1000.00 to 1500.00 (both Trousers 1500.00 115 L Brown 1000.00 and 1500.00 included). 1200.00 116 Ladies Top L Pink (iv) SELECT GNAME **FROM GARMENT** WHERE SIZE IN ('M', 'L') AND PRICE > 1500; Select gname from garment where size="XL"; i) ii) Select gcode, gname from garment where gname like "Ladies%"; iii) Select gname, gcode, price where price between 1000.00 and 1500.00 iv) Gname Jeans 22 Consider the table 'empsalary'. ID Salary To select tuples with some salary ,Siddharth has written the following erroneous SQL 101 43000 statement: NULL 102 SELECT ID, Salary FROM empsalary WHERE Salary = something; 56000Sa ary FROM empsalary WHERE Salary is not null; 23 donsider the table 'Employee'. Name Location Write the SQL command to obtain the following output: Location Gurpreet Jatinder Chennai Mumbai Mumbai Deepa Chennai Harsh Chennai New Delhi Simi New Delhi Anita Bengaluru Bengaluru

| A003 | 10111 |

5000

Select distinct Location from employee;

24 Table "Emp" is shown below. Write commands in SQL for (i) to (iii) and output for (iv) and (v)

and (vi)

ID	NAME	AGE	ADDRESS	SALARY	PHONE	i. To display list of all employees below 25
1	Siddharth	25	A-4, Ashok Vihar, Delhi	62000	98110766656	years old.
2	Chavi	23	B-21, Model Town, Mumbai	71000	99113423989	ii. To list names and respective salaries in descending order of salary.
3	Karan	26	KC-24, North Avenue, Bhopal	65000	98105393578	iii. To list names and addresses of those persons who have 'Delhi' in their address.
4	Raunaq	22	A-152, Gomti Nagar, Lucknow	89000	99101393576	iv. SELECT Name, Salary FROM Emp where
5	Kunal	27	B-5/45, Uday Park, Delhi	80000	97653455654	salary between 50000 and 70000; v. SELECT Name, phone from emp where

phone like '99%';

- Select * from emp where age<25;
- Select name, salary from emp order by salary desc: ii.
- Select name, address where address like "%Delhi%": iii.
- Name iv. salary Siddharth 62000 65000 Karan
- Name Phone ٧.

99113423989 Chavi Raunaq 99101393576

Mrs. Sen entered the following SQL statement to display all Salespersons of the 25 cities "Chennai" and 'Mumbai' from the table 'Sales'.

Scode	Name	City	SELECT * FROM Sales WHERE
101	Aakriti	Mumbai	City='Chennai' AND City='Mumbai';
102	Aman	Chennai	City Training,
103	Banit	Delhi	
104	Fauzia	Mumbai	

Rewrite the correct statement, if wrong or write statement is correct.

SELECT * FROM Sales WHERE City='Chennai' OR City='Mumbai';

Write commands in SQL for (i) to (iii) and output for (iv). 26

Table: Store

StoreId	Name	Location	City	NoOfEmployee	DateOpene	SalesAmou
S101	Planetfashio	KarolBagh	Delhi	7	2015-10-16	300000
S102	Trends	Nehru	Mumbai	11	2015-08-09	400000
		Nagar				
S103	Vogue	Vikas	Delhi	10	2015-06-27	200000
	_	Vihar				
S104	Superfashio	Defence	Delhi	8	2015-02-18	450000
	n	Colony				
S105	Rage	Bandra	Mumbai	5	2015-09-22	600000

- (i) To display name, location, city, SalesAmount of stores in descending order of SalesAmount.
- (ii) To display names of stores along with SalesAmount of those stores that have 'fashion' anywhere in their store names.
- (iii) To display Stores names, Location and Date Opened of stores that were opened before 1st March, 2015.
- (iv) SELECT distinct city FROM store;
 - Select name, location, city, sales amount from Store order by sales amount i) desc;

ii) Select name, sales amount from store where name like "%Fashion%"; iii) Select name.location.dateOpened from store where dateOpened<"2015-03-01": **CITY** iv) Delhi Mumbai Which clause would you use with Select to achieve the following: 27 i.To select the values that match with any value in a list of specified values. ii. Used to display unrepeated values of a column from a table. i. IN ii. DISTINCT Consider the following table: 28 Table: PharmaDB RxID Drug DrugName Price Pharmacy PharmacyLocation Write commands in SQL for (i) to (iii) and ID Name output for (iv): R1000 100.00 5476 Amlodipine Rx Pitampura, Delhi i. To increase the price of "Amlodipine" by Pharmacy R1001 2345 Paracetamol 15.00 Raj Bahadurgarh, 50. Medicos Haryana ii. To display all those medicines whose price R1002 1236 Nebistar 60.00 MyChemi Rajouri Garden, is in the range 100 to 150. Delhi R1003 6512 VitaPlus 150.00 MyChemi Gurgaon,Haryana iii. To display the Drug ID, DrugName and Pharmacy Name of all the records in R1004 5631 Levocitrezine 110.00 RxPharma South descending order of their price. Extension, Delhi iv. SELECT RxID, DrugName, Price from PharmaDB where PharmacyName IN ("Rx Parmacy", "Raj Medicos"); Update PharmaDB set price=price+50 where drugname="Amlodipine"; i. ii. Select * from pharamdb where price between 100 and 150; iii. Select DrugID, Drugname, pharmacyName from pharmaDB order by price desc: iv. **RXID DrugName** price **Amlodipine R1000** 100.00 **Paracetamol** 15.00 R1001 R1004 Levocitrezine 110.00 Write SQL statement that gives the same output as the following SQL statement but uses 29 'IN' keyword. SELECT NAME FROM STUDENT WHERE STATE = 'VA'; **SELECT NAME FROM STUDENT WHERE STATE IN('VA');** Which one of the following SQL gueries will display all Employee records containing the 30 word "Amit", regardless of case (whether it was stored as AMIT, Amit, or amit etc.)? (i) SELECT * from Employees WHERE EmpName like UPPER '%AMIT%'; (ii) SELECT *from Employees WHERE EmpName like '%AMIT%' or '%AMIT%' OR '%amit%'; (iii) SELECT * from Employees WHERE UPPER (EmpName) like '%AMIT%'; (iii) SELECT * from Employees WHERE UPPER (EmpName) like '%AMIT%'; Write Answer to (i). Write SQL gueries for (ii) to (vii). 31 (Table: Salesperson) SID DOB Phone Name Salary Area S101 98101789654 1967-01-23 67000.00 North Amit Kumar S102 Deepika Sharma 99104567834 1992-09-23 32000.00 South S103 Vinay Srivastav 98101546789 1991-06-27 35000.00 North S104 Kumar Mehta 88675345789 1967-10-16 40000.00 East

50000.00

South

1972-09-20

98101567434

S105

Rashmi Kumar

Note: Columns SID and DOB contain Sales Person Id and Data of Birth respectively.

- (i) Write the data types of SID and DOB columns.
- (ii) Display names of Salespersons and their Salaries who have salaries in the range $30000.00\ to\ 40000.00$
- (iii) To list Names, Phone numbers and DOB (Date of Birth) of Salespersons who were born before 1st November, 1992.
- (iv) To display Names and Salaries of Salespersons in descending order of salary.
- (v) To display areas in which Salespersons are working. Duplicate Areas should not be displayed.
- (vi) To display SID, Names along with Salaries increased by 500. (Increase of 500 is only to be displayed and not to be updated in the table)
- (vii) To display Names of Salespersons who have the word 'Kumar' anywhere in their names.
 - i. The data type of SID is either char or varchar
 - ii. Select name, salary from salesperson where salary between 30000.00 and 40000.00;
- Select name, phone, dob from salesperson where dob<"1992-11-01";
- iv. Select name, salary from salesperson order by salary desc;
- v. Select distinct area from salesperson;
- vi. Select sid,name,salary+500 from salesperson;
- vii. Select name from salesperson where name like "%Kumar%";
- 32 Write the following statement using 'OR' logical operator:
 - SELECT first_name, last_name, subject FROM studentdetails WHERE subject IN ('Maths', 'Science');

Select first_name, last_name, subject from studentDetails Where subject="Maths" or subject="Science";

Consider the Table "Gym" shown below. Write commands in SQL for (i) to (vi):

Mcode Mname DtAdmit Gender Age FeeGiven Type Amit Male 35 6000 Monthly 2016-01-23 2 Rashmi Female 25 8000 Monthly 2016-09-23 3 George Male 42 24000 Yearly 2011-06-27 27 12000 2012-10-16 Fawad Male Quarterly Samit Male Monthly 2015-09-20 Lakshmi Female 43 4500 Monthly 2016-01-15 2017-01-23 Female Michae1 Male 51 24000 Yearly 2013-07-18 44 100000 Life DavaChand Male 2012-09-08 33 Quarterly 2015-06-26 Male 12000

- (i) To display Mname, Age, FeeGiven of those members whose fee is above 12,000.
- (ii) To display Mcode, Mname, Age of all female members of the Gym with age in descending order.
- (iii) To list names of members and their date of admission of those members who joined after 31st December, 2015.
- iv) To display the Mname, FeeGiven of all those members of the Gym whose age is less than 40 and are monthly type members of the Gym.
- (v) To display names of members who have 'mit' anywhere in their names. For example : Amit, Samit.
- (vi) To display types of memberships available. Duplicate values should not be displayed.
 - i) Select mname, age, feegiven from gym where feegiven>12000;
 - ii) Select mcode,mname,age from gym where gender="Female" order by age desc;
 - iii) Select mname, dtAdmit from gym where dtAdmit>"2015-12-31";
 - iv) Select mname, feegiven from gym where age < 40 and type="Monthly";
 - v) Select mname from gym where mname like "%mit%";
 - vi) Select distinct type from gym;

34 Consider the following table:

Student

Admn	Name	Stream	Optional	Average
1001	Shrishti	Science	CS	90
1002	Ashi	Humanities	Maths	80
1003	Aditya	Commerce	IP	60
1004	Ritu Raj	Science	IP	65
1005	Sonali	Commerce	Maths	60
1006	Saumya	Science	IP	65
1007	Ashutosh	Science	IP	95
1008	Prashant	Commerce	P.ED	80
1009	Aman	Commerce	IP	70
1010	Rishabh	Humanities	P.ED	85

Write commands in SQL for (i) to (iv) and output for (v):

- i. To display the details of all those students who have IP as their optional subject.
- ii. To display name, stream and optional of all those students whose name starts with 'A'.
- iii. To give an increase of 3 in the average of all those students of humanities section who have Maths as their optional subject.
- iv. To display a name list of all those students who have average more than 75.
- v. Select name from students where optional IN ('CS','IP');
- Select * from student where optional="IP";
- ii. Select name, stream, optional from student where name like "A%";
- iii. Update student set average=average+3 where stream="Humanities";
- iv. Select name from student where average>75;
- v. Name
 - Shrishti
 - **Aditya**
 - Ritu Raj
 - Saumya
 - **Ashutosh**
 - Aman

Informatics Practices My SQL Worksheet-7 (Single Row Functions)

1.		•	of the fol	_	L queri	es:					
			ID(6.5675)						6.57		
			CATE(5.34					5.3			
	•		FMONTH('		25');				25		
			Class 12',		N				las		
2.	(i)	•	of the fol	_	•	es:		4			
	(ii)		CT RIGHT(ics			
3.						DW() and SY	SDATE(Sal		
ა.	State 0	illerence	Detween	Jace Turic	CIOIIS INC	JVV() and Si.	JUATE(OI IVIY.	Sqi.		
			Now()				Sysd	late()			
	Now	display	s the da	te and	S	ysdate() d	lisplay	s the o	date and		
			oeginnin			ime at the					
		nand.	Jeg	9 01 1110		execution o					
	Com	nanai									
		-	plays th			t displays t	the exa	act da	te and tim	e	
	date	and tin	ne in a si	ngle sq	ıl a	t which it	is exec	uted	within the		
	com	nand. N	o matte	r how	S	ingle com	mand.				
	man	y times	it is beir	ng							
	exec	uted.									
	Frence	la.									
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	sysd	late() 		sleep(5) 	sysda	te()	nov	ν() 			
	2018	-01-26 13	3:38:28	0	2018-	01-26 13:38:	33 201	L8-01-2	6 13:38:28		
	1 row	in set (9			-+		+		+		
	110	111 361 (1	7.00 3607								
4.	Name	a function	of MySql	which is	used to	remove traili	ng and l	eading	spaces from	a string.	
	trim										
	6 11				LICDODI	21 1 2			1 147 '1		
5.	CONSIG		owing tab	le named	I 'SBOP"	with details	of accou	int hold	ders. Write ou	itput	
	Accountne	 	Balance	DateOfopen	Transaction	门(i) SELECT	ROUN	D(Bala	nce,-3) FRO	M SBOP	WHERE
	Accounting	Name	Dalance	DateOtopen	Tailsaction	AccountNo					
	SB-1	Mr.Anil	15000.00	2011-02-24	7	Ans. i)					
	SB-2	Mr.Amit	23567.89		8	ROUND(Ba	alance,	<u>-3)</u>			
						63000					
6.	- 1		of the for	1	1 '	e\$:					
	(II) SELI	Mr.Gopal	T('softward 23812.35 R('twelve'	2013-09-22			re 4				
			R(tweive OFM®N⊅THI				4 1				
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			GTH(CON					10			
			ND(563.3	-		- , ,,,	600	_•			
)FYEAR('2(0'):			30			
8.						le named "F	riends'		ore his friend	d's detai	<u> </u>
	Table "	Friends"	is shown b	elow. Wr	ite outp	ut for (i) and					
			ge City 4 Washin	Couni		ail_id e@gmail.com					
	2 (Charles 1	2 Copenh	agen Denm	nark <mark>har</mark> l	les@yahoo.com					24
	3	ingel 1	6 Chicago	USA	ang	el@gmail.com]				21

		Name	Age			Cour		mail_id	oil com				
		Alice Charles	14		ashingt penha			<u>lice@gm</u> arles@ya	ahoo.com				
		Angel	16		icago	USA			nail.com				
		Jasmine Raj	15 14		dney w Delh			asmine@ aj@gma	<u>yahoo.com</u> l.com				
	6 J	lette	13	Ny	kobing	Deni	mark j	ette@gn	nail.com				
		Alexende Shashank			elbourn Inglore			IULL IULL					
	-								n friends w	vher	e country li	ke 'Denmark';	
	ii. Sele	ct mi	d(nan	ne,1,	4) as	"UID" 1	rom fri	ends	where cour	ntry	like 'USA';		
	i.										<u>ucase(c</u>	oncat(name,"*	",city))
			HARI ETTE*			ENHAG	EN						
	ii.):	: I I E	NIK	OBII	NG							UID
		A	lic										<u> </u>
		A	nge										
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	-					2015-0					16		
10.			-			wing S	-	ries :					
						ination	',2,4);				oard		
	(ii) SEL											25	
	(iii) SEI	LECT I	INSTR	R('INF	ORM.	ATION I	ORM',	'FOR'	;		3		
	(iv) SEI	LECT	DAYO	FYEA	R('20	015-01-	10');				10		
11.	Write o	output	: .				_		٥.				
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	(i) SEI	LECT I	Name		gth (r	name),	left (na	me, 3		ore v		mployees<3;	
	i)	Emp	ty Se	et									
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l2.			•			wing S	•				9		
13.	Consid					atabas	= , _),2),			9		
13.	Write o			give	יוו טכ	HOW .							
				(Table :	Salespe	rson)							
								1.	⊣(i) SEL	ECT	Name,	LENGTH(Name)	FROM
	SID	Name		Phone		DOB	Salary	Area	Salespers	son;			
	S101	Amit Kun	nar	9810178	9654	1967-01-23	67000.00	North					
	S102 I	Deepika S	harma	9910456	7834	1992-09-23	32000.00) South	Ans. Name			l ength()	
									Amit Ku	mar		<u>Length()</u> 10	
	S103	Vinay Sriv	vastav	9810154	6789	1991-06-27	35000.00) North	Deepika			_ ·	
	S104 I	Kumar Me	ehta	8867534	5789	1967-10-16	40000.00	East	Vinay Sr			15	
	S105 I	Rashmi K	umar	9810156	7434	1972-09-20	50000.00) South	Kumar M	1eht	:a 1	1	
									_Rashmi l			12	
4.									st the follow	wing	:		
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	ı rım()	and	Kour	1 a () a	are s	ingle i	ow tu	nctio	ns				
L5.	Consid	er the	Tahl	e "Gv	/m" =	and writ	e outo	ut					
٠.	Consid	C1 L11C	. 1001	Table : G	ym	ALIG VVIII	.c outp	a.					
	Mcode M	Iname	Gender	Age Fe	eeGiven	Type I	OtAdmit	(i) SEI	ECT MID(M	/Inan	ne,1,2)from (Gym;	
	1 A	mit	Male	35 60	000	Monthly 2	2016-01-23	-	•		,	-	
	2 R	ashmi	Female	25 80	000	Monthly 2	2016-09-23	Ans.					
	3 G	eorge	Male	42 24	1000	Yearly 2	2011-06-27						
	4 Fa	awad	Male	27 12	2000	Quarterly 2	2012-10-16						22
	\perp												

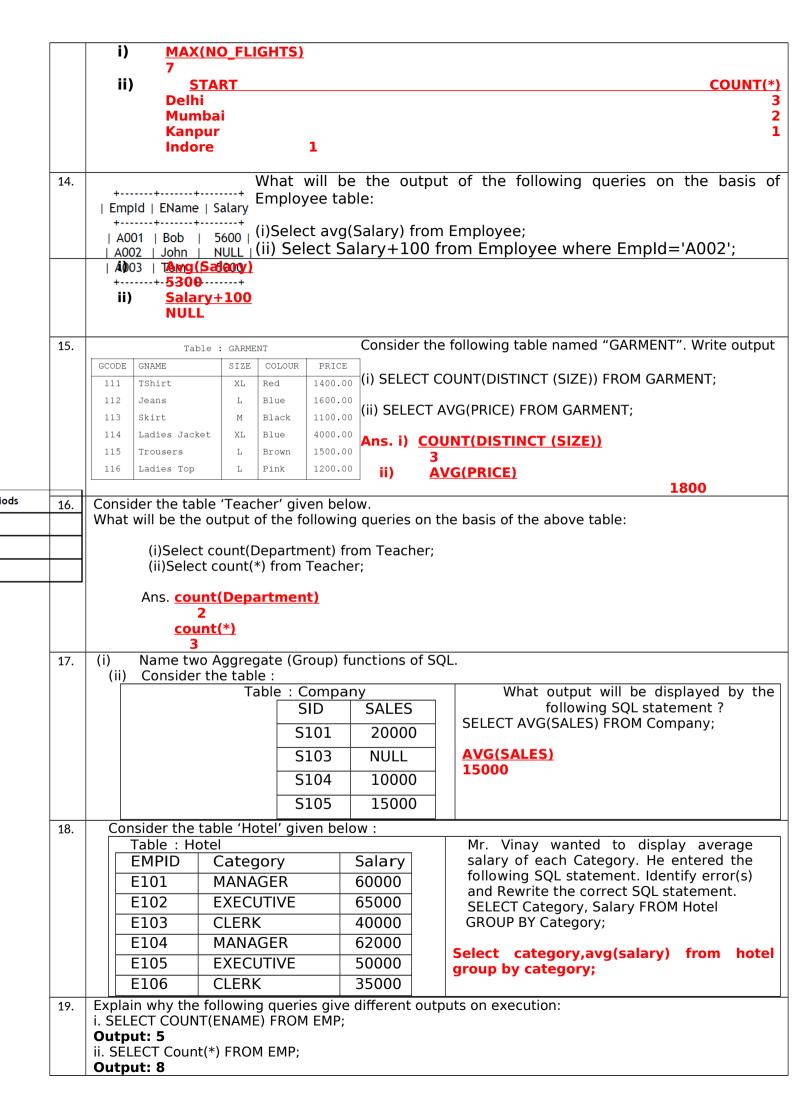
	6	Laksh	mi	Female	43	4500	Monthly	2016-01-	-15		
	7	Samita	a	Female	22	500	Guest	2017-01-	-23		
	8	Micha	ıel	Male	51	24000	Yearly	2013-07-	-18		
	MII	D(Mna	ame	1,2	44	100000	Life	2012-09-	-08		
	Am	Ajit		Male	33	12000	Quarterly	2015-06-	-26		
	Ra		.					· .	l		
	Ge	File_No		_Name		honeNo	Loan_		ank	Cheque_Dt	
	Fa	619095	IVIS. I	Roshni	9	899965430	80987		BDC td.	2017-06-15	
	Sa	234252	Mr. I	Rajesh	8	654327890	74573		CUCI	2017-07-22	
	La				\perp				td.		
	Su	543613	Mrs.	Sapna	8	883546354	NULI		BI td.S	2017-07-24	
	Mi	435467	Mr. 1	Navneet	9	764747474	64748	4 10	CUCI	2017-08-13	
	-	262427	M- 1	Dt.	0'	746454740	54627		td.	Da 2017 09 20	
		263427	Ms. I	Puja	8	746454742	54637		BDC td	2017-08-30	
16.		-			-						Observe the given table named "Loan" carefully
	an	id pre	dict	the o	out	out of t	:he				
	fo	llowing	g qu	ieries	S:						
	i.	S	SELE	CT o	con	cat(left	(file_r	no,2),	righ	nt(cust_na	me,2)) AS "ID" from loan where Bank='ICUCI
			_td.';				_		_	_	
	ii.	S	elec	ct rou	ınd	(loan a	mt-lo	an ar	nt*1	.0/100) As	s "Discounted Payment" from loan where
		le	oan	amt	>70	0000ō;		_			•
		i)	ID								
		-									23mi
		43	3et								
		ii)		Disc	<u>cou</u>	nted I	Paym	<u>ent</u>			
		-	72	2888			_				
				7116							
1				_							

Informatics Practices My SQL Worksheet-8 (Aggregate Functions)

							ands in SQL for (1) and output for (2) to (5)
ID	Name	Department	Hiredate	Category	Gender		
1	Tanya Nanda	SocialStudies	1994-03-17	TGT	F	25000	
2	Saurabh Sharma	Art	1990-02-12	PRT	М	20000	
3	Nandita Arora	English	1980-05-16	PGT	F	30000	
4	James Jacob	English	1989-10-16	TGT	М	25000	
5	Jaspreet Kaur	Hindi	1990-08-01	PRT	F	22000	
6	Disha Sehgal	Math	1980-03-17	PRT	F	21000	
7	Siddharth Kapoor	Science	1994-09-02	TGT	М	27000	
8	Sonali Mukherjee	Math	1980-11-17	TGT	F	24500	
٧.	SELECT COL	der,AVG(S	alary) FR	OM TEA	CHER g	group	
ii. iv v.	TGT PRT PGT Count(1 Gender	2 Category *) avg(salar 24000					
Th	e Item No a						

						<i>c</i>	
	IITEM_NO	COST			is information	, find the o	utput of the following
	101	5000	_	queries:	\(\(\(\) \		
	102	NULL			VG(COST) FR		
	103	4000	_	b) SELECT (OSI +100 FR	OM HEMS	WHERE ITEM_NO > 103 ;
	104 105	6000 NULL	_				
	A)	AVG(C	Cost)				
	,	5000	<u></u>				
	В)	Cost+	·100				
		6100					
		Null					
3.	"PrincipaiNa	ame" is a	column in a	a table "Scho	ols". The SOL q	ıeries	
0.	SELECT cou			a cable Sello	313 . THE 30L q	acrics	
	and	, ,					
			ipal) FROM s				
					may be the po	ossible reaso	on for this? How many records
			ble-27 or 28		value in Princip	al fiold will l	ho NIII I
	The possible There are 2			at one or the	value III FIIIICIP	ai neid wiii i	be NOLL
	inere die 2	0 1000.4.					
4.	Consider th	e table P	rojects give PRO	n below. Writ D JECTS	e commands in	SOL fori) ar	nd output for i) to iii)
	ID ProjN	ame	ProjSize	StartDate	EndDate	Cost]
	1 Payro	II-MMS	Medium	2006-03-17	2006-09-16	60000	1
	2 Payro	II-ITC	Large	2008-02-12	2008-01-11	500000	1
		nt-LITL	Large	2008-06-13	2009-05-21	300000	1
		it-LITL	Medium	2008-03-18	2008-06-01	50000	1
		mt-MTC	Small	2007-01-15	2007-01-29	20000	1
	6 Recru	Aver this event	Medium	2007-01-13	2007-06-28	50000	-
	O Reciu	IL-IT C	Mediam	2007-03-01	2007-00-20	30000	
		 					4
					s than 100000.		•
	ii. SELECT S	SUM(Cost) FROM proj	ects;		Size:	•
	ii. SELECT S iii. SELECT I i. Select co	SUM(Cost ProjSize, punt(*) f) FROM proj COUNT(*) F	ects; ROM Projects	s than 100000. GROUP BY Projust<100000;	Size;	•
	ii. SELECT S iii. SELECT I i. Select co ii. Sum	SUM(Cost ProjSize, punt(*) f n(cost)) FROM proj COUNT(*) F	ects; ROM Projects	GROUP BY Proj	Size;	
	ii. SELECT S iii. SELECT I i. Select co ii. Sum 980	SUM(Cost ProjSize, punt(*) f n(cost) 000) FROM proj COUNT(*) F from projec	ects; ROM Projects cts where co	GROUP BY Proj	Size;	•
	ii. SELECT S iii. SELECT I i. Select co ii. Sun 980 iii. Pro	SUM(Cost ProjSize, ount(*) f n(cost) 000 ojesize) FROM proj COUNT(*) F from projec	ects; ROM Projects	GROUP BY Proj	Size;	
	ii. SELECT S iii. SELECT I i. Select co ii. Sum 980 iii. Pro Me	SUM(Cost ProjSize, punt(*) f n(cost) 000 pjesize dium) FROM proj COUNT(*) F from projec	ects; ROM Projects cts where co	GROUP BY Proj	Size;	
	ii. SELECT S iii. SELECT I i. Select co ii. Sun 980 iii. Pro	SUM(Cost ProjSize, punt(*) f n(cost) 000 pjesize dium rge) FROM proj COUNT(*) F from projec	ects; ROM Projects cts where co	GROUP BY Proj	Size;	
	ii. SELECT S iii. Select co ii. Sum 980 iii. Pro Me Lan	SUM(Cost ProjSize, punt(*) f n(cost) 000 ojesize dium rge) FROM proj COUNT(*) F From projec COU 3	ects; ROM Projects cts where co unt(*) 2 1	GROUP BY Proj ost<100000;	Size;	
5.	ii. SELECT S iii. Select co ii. Sum 980 iii. Pro Me Lan	SUM(Cost ProjSize, punt(*) f n(cost) 000 ojesize dium ge aall) FROM proj COUNT(*) F From project COU 3	ects; ROM Projects cts where co unt(*)	GROUP BY Proj ost<100000;	Size;	
5.	ii. SELECT S iii. Select co ii. Sum 980 iii. Pro Me Lan	SUM(Cost ProjSize, ount(*) f n(cost) 000 ojesize dium rge iall) FROM proj COUNT(*) F From project COU 3	ects; ROM Projects cts where co unt(*) 2 1 n below. Writ	GROUP BY Proj ost<100000; e output) FROM EXAM WHEDE
5.	ii. SELECT S iii. Select co ii. Sum 980 iii. Pro Me Lan Sm	SUM(Cost ProjSize, ount(*) f n(cost) 000 ojesize dium ge iall	PROM proj COUNT(*) F From project COU 3 .ESULT given able : Result Subject	ects; ROM Projects cts where co unt(*) 2 1 n below. Writ	GROUP BY Projost < 100000; e output	NVG(Stipend) FROM EXAM WHERE
5.	ii. SELECT S iii. SELECT S ii. Select co ii. Sum 980 iii. Pro Me Lar Sm Consider th	SUM(Cost ProjSize, ount(*) f n(cost) 000 ojesize dium rge lall e table R) FROM proj COUNT(*) F From project COU 3	ects; ROM Projects cts where co unt(*) 2 1 n below. Writ Average Divis	GROUP BY Projost < 100000; e output ion (i) SELECT A DIVISION = 1	NVG(Stipend 'THIRD";) FROM EXAM WHERE TINCT Subject) FROM EXAM;
5.	ii. SELECT S iii. SELECT S iii. Select co ii. Sum 980 iii. Pro Me Lar Sm Consider th	SUM(Cost ProjSize, ount(*) for (cost) 000 ojesize dium rge lall e table R Ta	PROM proj COUNT(*) F From project COU 3 ESULT giver sble : Result Subject English	ects; ROM Projects cts where co unt(*) 2 1 n below. Writ Average Divis 38 THI 72 FIR 67 FIR	e output ion (i) SELECT A DIVISION= (ii) SELECT (iii) SELECT (iii) SELECT	AVG(Stipend 'THIRD"; COUNT(DIST T MIN(Ave	
5.	ii. SELECT S iii. SELECT S iii. Select co ii. Sum 980 iii. Pro Me Lar Sm Consider th No Name 1 Sharon 2 Amal 3 Vedant 4 Shakeer	SUM(Cost ProjSize, ount(*) f n(cost) 000 ojesize dium rge all e table R Ta Stipend 400 680 500 200	PROM proj COUNT(*) F From project COU 3 ESULT giver sble : Result Subject English Mathematics Accounts Informatics	ects; ROM Projects cts where co unt(*) 2 1 n below. Writ Average Divis 38 THI 72 FIR 67 FIR	GROUP BY Projost < 100000; e output ion (i) SELECT A DIVISION = ' ST (ii) SELECT	AVG(Stipend 'THIRD"; COUNT(DIST T MIN(Ave	TINCT Subject) FROM EXAM;
5.	ii. SELECT S iii. SELECT S iii. Select co ii. Sum 980 iii. Pro Me Lar Sm Consider th No Name 1 Sharon 2 Amal 3 Vedant 4 Shakeer 1) 5 Amanus	SUM(Cost ProjSize, ount(*) for (cost) 000 Diesize dium rege liall e table R Ta Stipend 400 680 500 200	COUNT(*) FF From project Subject English Mathematics Accounts Informatics History	ects; ROM Projects cts where co unt(*) 2 1 n below. Writ Average Divis 38 THI 72 FIR 67 FIR 55 SECC 85 FIR	GROUP BY Projost < 100000; e output ion (i) SELECT A RD DIVISION= 1 ST (ii) SELECT (iii) SELECT ST (iii) SELECT (iii) SELECT ST (iii) SELECT	AVG(Stipend 'THIRD"; COUNT(DIST T MIN(Ave	TINCT Subject) FROM EXAM;
5.	ii. SELECT S iii. SELECT S iii. Select co ii. Sum 980 iii. Pro Me Lar Sm Consider th No Name 1 Sharon 2 Amal 3 Vedant 4 Shakeer 1) 5 Amanus	SUM(Cost ProjSize, ount(*) for (cost) 000 Diesize dium rege liall e table R Ta Stipend 400 680 500 200	COUNT(*) FF From project Subject English Mathematics Accounts Informatics History	ects; ROM Projects cts where co unt(*) 2 1 n below. Writ Average Divis 38 THI 72 FIR 67 FIR 55 SECC 85 FIR	GROUP BY Projost < 100000; e output ion (i) SELECT A RD DIVISION= ' ST (ii) SELECT (iii) SELECT ST (iii) SELECT Subject= "E	AVG(Stipend 'THIRD"; COUNT(DIST T MIN(Ave	TINCT Subject) FROM EXAM;
5.	ii. SELECT S iii. SELECT S iii. Select co ii. Sum 980 iii. Pro Me Lar Sm Consider th No Name 1 Sharon 2 Amal 3 Vedant 4 Shakeer 1) 5 Amanus	SUM(Cost ProjSize, ount(*) for (cost) 000 Diesize dium rege liall e table R Ta Stipend 400 680 500 200	PROM proj COUNT(*) F From project COU 3 ESULT giver sble : Result Subject English Mathematics Accounts Informatics	ects; ROM Projects cts where co unt(*) 2 1 n below. Writ Average Divis 38 THI 72 FIR 67 FIR 55 SECC 85 FIR	GROUP BY Projost < 100000; e output ion (i) SELECT A RD DIVISION= ' ST (ii) SELECT (iii) SELECT ST (iii) SELECT Subject= "E	AVG(Stipend 'THIRD"; COUNT(DIST T MIN(Ave	TINCT Subject) FROM EXAM;
5.	ii. SELECT Siii. SELECT Siii. SELECT Siii. Select color ii. Sum 980 iii. Pro Me Lar Sm Consider th No Name 1 Sharon 2 Amal 3 Vedant 4 Shakeer 1) 5 Arandar 6 Upasha iii) Min	SUM(Cost ProjSize, ount(*) for (cost) 000 Djesize dium rge lall e table R Ta Stipend 400 680 500 200 (Stipend nt(disting)	COUNT(*) F From project COUNT(*) F Geography Counts Subject Geography Count Subject Counts Subject Cou	ects; ROM Projects cts where co unt(*) 2 1 n below. Writ Average Divis 38 THI 72 FIR 67 FIR 55 SECC 85 FIR	GROUP BY Projost < 100000; e output ion (i) SELECT A RD DIVISION= ' ST (ii) SELECT (iii) SELECT ST (iii) SELECT Subject= "E	AVG(Stipend 'THIRD"; COUNT(DIST T MIN(Ave	TINCT Subject) FROM EXAM;
5.	ii. SELECT Siii. SELECT Siii. SELECT Siii. Select color ii. Sum 980 iii. Pro Me Lar Sm Consider th No Name 1 Sharon 2 Amal 3 Vedant 4 Shakeer 1) 5 Amanda 6 Upana	SUM(Cost ProjSize, ount(*) for (cost) 000 Djesize dium rge lall e table R Ta Stipend 400 680 500 200 (Stipend nt(disting)	COUNT(*) F From project COUNT(*) F Geography Counts Subject Geography Count Subject Counts Subject Cou	ects; ROM Projects cts where co unt(*) 2 1 n below. Writ Average Divis 38 THI 72 FIR 67 FIR 55 SECC 85 FIR	GROUP BY Projost < 100000; e output ion (i) SELECT A RD DIVISION= ' ST (ii) SELECT (iii) SELECT ST (iii) SELECT Subject= "E	AVG(Stipend 'THIRD"; COUNT(DIST T MIN(Ave	TINCT Subject) FROM EXAM;
	ii. SELECT Siii. SELECT Siii. SELECT Siii. SELECT Siii. Sum 980 iii. Pro Me Lar Sm Consider th No Name 1 Sharon 2 Amal 3 Vedant 4 Shakeer 1) 5 Aman Sii) Soum Siii Siii Siii Siii Siii Siii Siii Si	SUM(Cost ProjSize, ount(*) for (cost) 000 Djesize dium rge lall e table R Ta Stipend 400 680 500 200 (Stipen) nt(distined 8	COUNT(*) FF FROM project Subject English Mathematics Accounts Informatics Alistory Geography Count(*) FF FROM project COUNT(*) FF FROM proj	ects; ROM Projects cts where co Int(*) 2 1 n below. Writ Average Divis 38 THI 72 FIR 67 FIR 55 SECC 85 FIR 45 THI	GROUP BY Projost < 100000; e output ion (i) SELECT A RD DIVISION = ' ST (ii) SELECT (iii) SELECT (iii) SELECT (iii) SELECT (iii) Subject = "E	AVG(Stipend 'THIRD"; COUNT(DIST T MIN(Ave inglish";	TINCT Subject) FROM EXAM; rage) FROM EXAM WHERE
5.	ii. SELECT Siii. SELECT Siii. SELECT Siii. SELECT Siii. Sum 980 iii. Pro Me Lar Sm Consider th No Name 1 Sharon 2 Amal 3 Vedant 4 Shakeer 1) 5 Aman Sii) Soum Siii Siii Siii Siii Siii Siii Siii Si	SUM(Cost ProjSize, ount(*) for (cost) 000 Djesize dium rge lall e table R Ta Stipend 400 680 500 200 (Stipen) nt(distined 8	COUNT(*) FF FROM project Subject English Mathematics Accounts Informatics Alistory Geography Count(*) FF FROM project COUNT(*) FF FROM proj	ects; ROM Projects cts where co Int(*) 2 1 n below. Writ Average Divis 38 THI 72 FIR 67 FIR 55 SECC 85 FIR 45 THI	GROUP BY Projost < 100000; e output ion (i) SELECT A RD DIVISION = ' ST (ii) SELECT (iii) SELECT (iii) SELECT (iii) SELECT (iii) Subject = "E	AVG(Stipend 'THIRD"; COUNT(DIST T MIN(Ave inglish";	TINCT Subject) FROM EXAM;
	ii. SELECT S iii. SELECT S iii. Select co ii. Sum 980 iii. Pro Me Lar Sm Consider th No Name 1 Sharon 2 Amal 3 Vedant 4 Shakeer 1) 5 Aman 3 Vedant 4 Shakeer 1) 5 Aman 1 Sharon 2 Amal 3 Vedant 4 Shakeer 1) 5 Aman 1 Shakeer 1) 5 Aman 2 Amal 3 Vedant 4 Shakeer 1) 5 Aman 1 Shakeer 1) 5 Aman 2 Min 3 What is the	SUM(Cost ProjSize, ount(*) for (cost) 000 ojesize dium rge all e table R Ta Stipend 400 680 500 200 i(Stipen) nt(distinent 6 (Average) 8	COUNT(*) For project Subject English Mathematics Accounts Informatics District Counts Informatics District In	ects; ROM Projects cts where co unt(*) 2 1 n below. Writ Average Divis 38 THI 72 FIR 67 FIR 55 SECC 85 FIR 45 THI BY clause in M	GROUP BY Projost < 100000; e output ion (i) SELECT A RD DIVISION = ' ST (ii) SELECT (iii) SELECT (iii) SELECT (iii) SELECT (iii) Subject = "E	AVG(Stipend 'THIRD"; COUNT(DIST T MIN(Ave inglish";	TINCT Subject) FROM EXAM; rage) FROM EXAM WHERE
	ii. SELECT Siii. SELECT Siii. SELECT Siii. Select color ii. Sum 980 iii. Pro Me Lar Sm Consider th No Name 1 Sharon 2 Amal 3 Vedant 4 Shakeer 1) 5 Amal 3 Vedant 6 Upassa iii) Min 3 What is the Order by color group By	SUM(Cost ProjSize, ount(*) for (cost) 000 Diesize dium rege leall e table R Stipend 400 680 500 200 (Stipend 1 (disting 6) (Average 8) purpose lisplays Groups	COUNT(*) F From project Subject English Mathematics Accounts Informatics Alistory Geography Count Subject English Mathematics Accounts Informatics Thistory Geography Count Subject English Mathematics Accounts Informatics The records	ects; ROM Projects cts where co unt(*) 2 1 n below. Writ Average Divis 38 THI 72 FIR 67 FIR 55 SECC 85 FIR 45 THI BY clause in Mords accords	GROUP BY Projost < 100000; e output ion (i) SELECT A RD DIVISION= ' ST (ii) SELECT (iii) SELECT ST (iii) SELECT ST RD lySql ? How is it ling/descending to a fiel	AVG(Stipend 'THIRD"; COUNT(DIST T MIN(Ave inglish";	TINCT Subject) FROM EXAM; rage) FROM EXAM WHERE
6.	ii. SELECT Siii. SELECT Siii. SELECT Siii. Select color ii. Sum 980 iii. Pro Me Lar Sm Consider th No Name 1 Sharon 2 Amal 3 Vedant 4 Shakeer 1) 5 Amand 1 Shakeer 1) 6 Up 1 Shakeer 1) 7 Shakeer 1) 7 Shakeer 1) 8 Up 1 Shakeer 1) 8 Up	SUM(Cost ProjSize, ount(*) for (cost) 000 Diesize dium rege diall e table R Stipend 400 680 500 200 (Stipend nt(disting) (Average) 8 purpose lisplays or count	COUNT(*) For COUNT	ects; ROM Projects cts where co unt(*) 2 1 n below. Writ Average Divis 38 THI 72 FIR 67 FIR 55 SECC 85 FIR 45 THI BY clause in Mords accords crds accords the sum or a	GROUP BY Projost < 100000; e output ion (i) SELECT A RD DIVISION= 1 ST (ii) SELECT (ST (iii) SELECT ST Subject= "E ST RD lySql ? How is it ing/descending to a fiel average.	AVG(Stipend 'THIRD"; COUNT(DIST T MIN(Ave inglish"; c different from	rage) FROM EXAM; rage) FROM EXAM WHERE om GROUP BY clause? field. en finds the maximum or
	ii. SELECT Siii. SELECT Siii. SELECT Siii. Select color ii. Sum 980 iii. Pro Me Lar Sm Consider th No Name 1 Sharon 2 Amal 3 Vedant 4 Shakeer 1) 5 Amand 1 Shakeer 1) 6 Up 1 Shakeer 1) 7 Shakeer 1) 7 Shakeer 1) 8 Up 1 Shakeer 1) 8 Up	SUM(Cost ProjSize, ount(*) for (cost) 000 Diesize dium rege diall e table R Stipend 400 680 500 200 (Stipend nt(disting) (Average) 8 purpose lisplays or count	COUNT(*) For COUNT	ects; ROM Projects cts where co unt(*) 2 1 n below. Writ Average Divis 38 THI 72 FIR 67 FIR 55 SECC 85 FIR 45 THI BY clause in Mords accords crds accords the sum or a	GROUP BY Projost < 100000; e output ion (i) SELECT A RD DIVISION= 1 ST (ii) SELECT (ST (iii) SELECT ST Subject= "E ST RD lySql ? How is it ing/descending to a fiel average.	AVG(Stipend 'THIRD"; COUNT(DIST T MIN(Ave inglish"; c different from	TINCT Subject) FROM EXAM; rage) FROM EXAM WHERE om GROUP BY clause?
6.	ii. SELECT Siii. SELECT Siii. SELECT Siii. Select color ii. Sum 980 iii. Promission Me Land Sm Consider the No Name 1 Sharon 2 Amal 3 Vedant 4 Shakeer 1) 5 Amand 1 Sharon 2 Amal 3 Vedant 4 Shakeer 1) 5 Amand 1 Sharon 2 Amal 3 Vedant 1 Shakeer 1) 5 Amand 1 Sharon 2 Amal 3 Vedant 1 Shakeer 1) 5 Amand 1 Shakeer 1) 6 Amand 1 Shakeer 1 Sha	SUM(Cost ProjSize, ount(*) for (cost) 000 Djesize dium rge lall e table R Ta Stipend 400 680 500 200 (Stipend nt(distine) 6 (Average 8 purpose lisplays groups or count e Table S	COUNT(*) For COUNT	ects; ROM Projects cts where co unt(*) 2 1 n below. Writ Average Divis 38 THI 72 FIR 67 FIR 55 SECC 85 FIR 45 THI BY clause in Mords accords crds accords the sum or a	GROUP BY Projost < 100000; e output ion (i) SELECT A DIVISION = ' ST (ii) SELECT (iii) SELECT ST (iii) SELECT ST Subject = "E ST RD lySql ? How is it ing/descending to a fiel average. te command in	AVG(Stipend 'THIRD"; COUNT(DIST T MIN(Ave inglish"; c different from	rage) FROM EXAM; rage) FROM EXAM WHERE om GROUP BY clause? field. en finds the maximum or

Table: SBOP Account holders. Write output. Account holders. Write output. Account holders. Write output. (i) SELECT COUNT(*) FROM SBOP; BB-1 Mr. Anil 15000.00 2011-02-24 7 BB-2 Mr. Anil 23567.89 8 Ans. COUNT(*) Employee_ID NAME Commission Given 'Employee' table as follows: 101 Sabhyata Sharma NULL 102 Divya Arora 8900 SELECT COUNT(*) FROM Employee; 103 Faizal Zaidi NULL SELECT COUNT(*) FROM Employee; Ans. Count(*) 3 Count(Commission) 1 13. Table: FLIGHT Consider the table FLIGHT given below. Write output. FLCODE START DESTINATION NO_STOPS NO_FLIGHTS IC101 DELHI AGARTALA 1 5 (i) SELECT MAX(NO_FLIGHTS) FROM FLIGHT;		Table SI	IOPPE :					
Solid State 10		Code	Item	Company	Qty C	ity	Price	
100 Jam John James J		102	Biscuit	Hide & Seek	100 D	elhi	10.00	(ii) Select Count(distinct (City)) from Shoppe:
1011 1012 1015		103	Jam	Kissan	110 K	olkata	25.00	
1987				1000 0001			55.00 Om	
8. Consider the table 'PERSONS' given below. Write commands in SQL for (i) to (iv) and write output for some the stable 'PERSONS' given below. Write commands in SQL for (i) to (iv) and write output for some the stable 'PERSONS' given below. Write commands in SQL for (i) to (iv) and write output for some the stable 'PERSONS' given below. Write commands in SQL for (i) to (iv) and write output for some the stable 'PERSONS' given below. Write commands in SQL for (i) to (iv) and write output for some the stable 'PERSONS' given below. Write commands in SQL for (i) to (iv) and write output for some the stable 'PERSONS' given below. Write commands in SQL for (i) to (iv) and write output for some the stable 'PERSONS' given below. Write commands in SQL for (i) to (iv) and write output for some the stable 'PERSONS' given below. Write output in SELECT SUM(BasicSalary) FROM Persons GROUP By Gender; 'SELECT Gender,Count(*) FROM Persons GROUP By Gender; 'SELECT Gender,Count(*) FROM Persons GROUP By Gender; 'SELECT COUNT(*) FROM CONTACTS; The possible reason could be that some of the values in the hobby field would be NULL. 10. Consider the following table named "GYM" with details about fitness items being sold in the store. Write output (i) SELECT COUNT (DISTINCT (BRANDNAME)) FROM GYM; (ii) SELECT COUNT (DISTINCT (BRANDNAME)) FROM GYM; (ii) SELECT COUNT (DISTINCT (BRANDNAME)) FROM GYM; (iii) SELECT MAXIN (PRICE) FROM GYM; (iii) SELECT GOUNT(*) FROM SBOP; (COUNT(*) FROM								-
8. Consider the table 'PERSONS' given below. Write commands in SQL for (i) to (iv) and write output for (i) to (iii). Consider the table 'PERSONS' given below. Write commands in SQL for (i) to (iv) and write output for (ii) to (iii). Select SUM(BasicSalary) FROM Persons Where Gender-"F; SUM(BasicSalary) Select SUM(BasicSalary) FROM Persons GROUP BY Gender; SUM(BasicSalary) Select Sum Selec								
8. Consider the table 'PERSONS' given below. Write commands in SQL for (i) to (iv) and write output for (i) to (iii). Consider the table 'PERSONS' given below. Write commands in SQL for (i) to (iv) and write output for (ii) to (iii). Consider the table 'PERSONS' given below. Write commands in SQL for (i) to (iv) and write output for (ii) to (iii). SELECT SUM(BasicSalary) FROM Persons Where Gender="F"; SELECT Gender,MIN(BasicSalary) FROM Persons GROUP BY gender; SELECT Gender,Count(*) FROM Persons GROUP BY Gender: I)								
Consider the following table named "GYM" with details about fitness items being sold in the store.		105	Chosonate	Cadbury	170 D	elhi	25.00	
(i) to (iii). Fig.		Concid	lor the	table (DEE	CONC'	divo	n hal	low Write commands in SOI for (i) to (iv) and write output for
SELECT SUM(BasicSalary) FROM Persons Where Gender="F"; SELECT Gender, MIN(BasicSalary) FROM Persons GROUP BY Gender; SUM Provided From Manager State	8.	Consid	c) Consider	the table PERSON	o given belov	v. write co		
Indicates Indi			SQL for (to (viii).		(1) to (111).
Gender="F": Select Gender, MIN(BasicSalary) Select Gender, MIN(BasicSalary) Select Gender, MIN(BasicSalary) Select Gender, Group By gender; Sum(BasicSalary) Sum(BasicSalary) Select Gender, Count(*) FROM Persons GROUP By Gender; Sum(BasicSalary) Sum(BasicSalary) Select Gender, Count(*) FROM Persons GROUP By Gender; Sum(BasicSalary) Sum(BasicSalary) Select Gender, Count(*) FROM Persons GROUP By Gender; Sum(BasicSalary) Sum(BasicSalary) Select Gender, Count(*) FROM Persons GROUP By Gender; Sum(BasicSalary) Sum(BasicSalary) Select Gender, Count(*) FROM Persons GROUP By Gender; Sum(BasicSalary) Sum(BasicSalary) Select Gender, Count(*) FROM Persons GROUP By Gender; Sum(BasicSalary) Sum(BasicSalary) Select Gender, Count(*) FROM Persons GROUP By Gender; Sum(BasicSalary) Sum(BasicSalary) Select Gender, Count(*) FROM Persons GROUP By Gender; Sum(BasicSalary) Sum(BasicSalary) Select Count(*) FROM Persons GROUP By Gender; Sum(BasicSalary) Sum(BasicSalary) Select Count(*) FROM Persons GROUP By Gender; Sum(BasicSalary) Sum(BasicSalary) Select Count(*) FROM Persons GROUP By Gender; Sum(BasicSalary) Sum(BasicSalary) Select Count(*) FROM Persons GROUP By Gender; Sum(BasicSalary) Sum(BasicSalary) Select Count(*) FROM Persons GROUP By Gender; Sum(BasicSalary) Sum(BasicSalary) Select Gender, Count(*) FROM Persons GROUP By Gender; Sum(BasicSalary) Sum(BasicSalary) Select Gender, Count(*) FROM Persons GROUP By Gender; Sum(BasicSalary) Sum(BasicSalary) Select Gender, Count(*) FROM Persons GROUP By Gender; Sum(BasicSalary) Sum(BasicSalary) Select Max(No, Fight Salary By Select Salary Select Sala		PI	Surname			PinCode	RasicS	(i) SELECT SUM(BasicSalary) FROM Persons Where
SELECT Gooder, MIN(BasicSalary) FROM Persons GROUP BY Gender; SELECT Gender, Count(*) FROM GENTAL GE				reache)	38A-18			
SELECT Gender, Count(*) FROM Persons GROUP Same Sum					Kupwara			
BY Gender;		3	Jacob I	Peter M		185155	45000	
Sum		4	Alvis	Thomas M		380025	50000	
13.2000 13.2		5	Mohan (Garima M		390026	33000	BY Gender;
ii) Gender Count(*) F 3 40000. M 33000 iii) Gender Count(*) F 3 3000 iii) Gender Count(*) F 3 40000. M 4 4 9. There is a column HOBBY in a Table CONTACTS. The following two statements are giving different outputs. What may be the possible reason? SELECT COUNT(*) FROM CONTACTS; SELECT COUNT(*) FROM CONTACTS; SELECT COUNT(*) FROM CONTACTS; The possible reason could be that some of the values in the hobby field would be NULL. 10. Consider the following table named "GYM" with details about fitness items being sold in the store. Write output (i) SELECT COUNT (DISTINCT (BRANDNAME)) FROM GYM; (ii) SELECT MAX (PRICE) FROM GYM; Ans. i) COUNT (DISTINCT (BRANDNAME)) 6 10		-6	Azmi S	SIM (Ra	New Belhi	110021	40000	
ii)		4		Ma npreet P	Udhamwara	163141		mle
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III) Gender Count(*) F 3 M 4 9. There is a column HOBBY in a Table CONTACTS. The following two statements are giving different outputs. What may be the possible reason? SELECT COUNT(*) FROM CONTACTS; The possible reason could be that some of the values in the hobby field would be NULL. 10. Consider the following table named "GYM" with details about fitness items being sold in the store. Write output (i) SELECT COUNT (DISTINCT (BRANDNAME)) FROM GYM; (ii) SELECT MAX (PRICE) FROM GYM; Ans. i) COUNT (DISTINCT (BRANDNAME)) Good Goo			in	descending order of	Pincodes -	on of all t	ha famal	los de la companya de
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outputs. What may be the possible reason? SELECT COUNT(+) FROM CONTACTS; SELECT COUNT(HOBBY)FROM CONTACTS; The possible reason could be that some of the values in the hobby field would be NULL. 10. Consider the following table named "GYM" with details about fitness items being sold in the store. Write output (i) SELECT COUNT (DISTINCT (BRANDNAME)) FROM GYM; (ii) SELECT MAX (PRICE) FROM GYM; (ii) SELECT MAX (PRICE) FROM GYM; Ans. i) COUNT (DISTINCT (BRANDNAME)) 6 ii) Max(Price) 30000 11. Table: SBOP Consider the following table named "SBOP" with details of account holders. Write output. Accounto Name Bulance Doublopen Transaction 18-1 Mr. Anil 15000.00 1031-02-24 7 BB-2 Mr. Anil 15000.00 1031-02-24 7 BB-2 Mr. Anil 23557-49 8 Ans. COUNT(*) BB-1 Mr. Anil 15000.00 1031-02-24 7 BB-2 Mr. Anil 23557-49 8 SELECT COUNT(*) FROM SBOP; COUNT(*) 12. Employee_ID NAME Commission 102 Divya Arora 8900 103 Faizal Zaidi NULL SELECT COUNT(*) FROM Employee; SELECT COUNT(*) FROM Employee; SELECT COUNT(*) FROM Employee; Ans. Count(*) 3 Count(Commission) 1 Table: FLIGHT FLOODE START DESTINATION NO.STOPS NO.FLIGHTS Consider the table FLIGHT given below. Write output. 100 Divya Arora 3 (i) SELECT MAX(NO_FLIGHTS) FROM FLIGHT; 1101 DELHI AGARTALA 1 S (i) SELECT MAX(NO_FLIGHTS) FROM FLIGHT; 1102 MUMBAL SIRKIM 1 S (i) SELECT START, COUNT(*) FROM FLIGHT; 1103 DELHI JAIPUR 0 7 (ii) SELECT START, COUNT(*) FROM FLIGHT; 1104 MUMBAL SIRKIM 1 S (ii) SELECT START, COUNT(*) FROM FLIGHT; 1105 MUMBAL RAPPUR 0 4 BY Start;	9	There	is a co	olumn HOI	BBY in	a Ta	ble C	CONTACTS. The following two statements are giving different
SELECT COUNT(*) FROM CONTACTS; SELECT COUNT(HOBBY)FROM CONTACTS; The possible reason could be that some of the values in the hobby field would be NULL. 10. Consider the following table named "GYM" with details about fitness items being sold in the store. Write output (i) SELECT COUNT (DISTINCT (BRANDNAME)) FROM GYM; (ii) SELECT MAX (PRICE) FROM GYM; Ans. i) COUNT (DISTINCT (BRANDNAME)) 6 ii) Max(Price) 30000 11. COUNT (DISTINCT (BRANDNAME)) 6 iii) Max(Price) 30000 11. COUNT (DISTINCT (BRANDNAME)) 6 iii) Max(Price) 30000 11. COUNT (DISTINCT (BRANDNAME)) 6 iii) Max(Price) 30000 12. COUNT (DISTINCT (BRANDNAME)) 6 iii) Max(Price) 30000 3000 12. COUNT (DISTINCT (BRANDNAME)) 6 iii) Max(Price) 30000 3000 3000 12. COUNT (DISTINCT (BRANDNAME)) 6 iii) Max(Price) 30000 3000 3000 12. COUNT (DISTINCT (BRANDNAME)) 6 iii) Max(Price) 30000 3000 3000 12. COUNT (DISTINCT (BRANDNAME)) 6 iii) Max(Price) 30000 3000	'							
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Write output		The p	ossibl	e reason	could	be t	hat s	some of the values in the hobby field would be NULL.
Write output (i) SELECT COUNT (DISTINCT (BRANDNAME)) FROM GYM; (ii) SELECT MAX (PRICE) FROM GYM; Ans. i) COUNT (DISTINCT (BRANDNAME)) 6 ii) Max(Price) 30000 11. Table: SBOP Consider the following table named 'SBOP" with details of account holders. Write output. Accountion Name Balance Balance Data/Ofopen Transaction (i) SELECT COUNT(*) FROM SBOP; BB-2 Ar. Aaalt 23567-89 6 Ans. COUNT(*) 12. Employee_ID NAME Commission 101 Sabhyata Sharma NULL 102 Divya Arora S900 SELECT COUNT(*) FROM Employee; Ans. Count(Commission) 13. Table: FLIGHT Consider the table FLIGHT given below. Write output. FLOODE START DESTINATION NO-STOPS NO-FLIGHTS [Cition DELIH AGARTALA 1 5 (i) SELECT MAX(NO_FLIGHTS) FROM FLIGHT; [Cition MUMBal SIRKIM 1 5 (ii) SELECT START, COUNT(*) FROM FLIGHT GROUP FLIGHT GROUP HENNAL 2 2 2 BY Start; [Cition MUMBal SIRKIM 1 0 4 BY Start; [Cition MUMBal RAMPUR 0 7 (ii) SELECT START, COUNT(*) FROM FLIGHT GROUP				C 11 '			1 110	SVAAII 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(i) SELECT COUNT (DISTINCT (BRANDNAME)) FROM GYM; (ii) SELECT MAX (PRICE) FROM GYM; Ans. i) COUNT (DISTINCT (BRANDNAME)) 6 ii) Max(Price) 30000 11. Table: SBOP Consider the following table named 'SBOP" with details of account holders. Write output. Accounts Name Balance DateOtopen Transaction (i) SELECT COUNT(*) FROM SBOP; (ii) SELECT COUNT(*) FROM SBOP; 12. Employee_ID NAME Commission Given 'Employee' table as follows: 101 Sabhyata Sharma NULL 102 Divya Arora 8900 SELECT COUNT(*) FROM Employee; 103 Faizal Zaidi NULL Ans. Count(*) 3 Count(Commission) 1 13. Table: FLIGHT Consider the table FLIGHT given below. Write output. FLOODE START DESTINATION NO_STOPS NO_FLIGHTS ICIO1 DELHI (AGRATALA 1 5 (i) SELECT MAX(NO_FLIGHTS) FROM FLIGHT; ICIO2 MUMBAI SIRKIM 1 3 (ii) SELECT MAX(NO_FLIGHTS) FROM FLIGHT; ICIO3 DELHI (AGRATALA 1 5 (ii) SELECT START, COUNT(*) FROM FLIGHT GROUP ICIO2 MUMBAI SIRKIM 1 3 (ii) SELECT START, COUNT(*) FROM FLIGHT GROUP ICIO2 MUMBAI KAMPUR 0 7 (ii) SELECT START, COUNT(*) FROM FLIGHT GROUP ICIO2 MUMBAI KAMPUR 0 4 BY Start; ICIO3 BARTH JAPPUR 0 7 (ii) SELECT START, COUNT(*) FROM FLIGHT GROUP ICIO2 MUMBAI KAMPUR 0 4 BY Start;	10.			tollowing	table	name	ea "G	TYM" WITH details about fitness items being sold in the store
(ii) SELECT MAX (PRICE) FROM GYM; Ans. i) COUNT (DISTINCT (BRANDNAME)) 6 ii) Max(Price) 30000 11. Table: \$800P Consider the following table named 'SBOP" with details of account holders. Write output. (i) SELECT COUNT(*) FROM SBOP; Accountso Name Balance DateOtopen Transaction account holders. Write output. (ii) SELECT COUNT(*) FROM SBOP; Ans. COUNT(*) 12. Employee_ID NAME Commission 101 Sabhyata Sharma NULL 102 Divya Arora 8900 SELECT COUNT(*) FROM Employee; 103 Faizal Zaidi NULL SELECT COUNT(*) FROM Employee; (ii) SELECT COUNT(*) FROM Employee; SELECT COUNT(*) FROM FLIGHT GROUP IN SELECT MAX(NO_FLIGHTS) FROM FLIGHT; (iii) SELECT START, COUNT(*) FROM FLIGHT; (iii) SELECT START, COUNT(*) FROM FLIGHT GROUP IN SELECT START, COUNT(*) FROM FLIGHT		vviile	output					
(ii) SELECT MAX (PRICE) FROM GYM; Ans. i) COUNT (DISTINCT (BRANDNAME)) 6 ii) Max(Price) 30000 11. Table: \$800P Accountso Name Balance DateOtopen Transaction (i) SELECT COUNT(*) FROM SBOP; Mr. Ant1 15000.00 2011-02-24 7 BB-2 Mr. Ant1 25567.89 8 Ans. COUNT(*) 101 Sabhyata Sharma NULL 102 Divya Arora 8900 SELECT COUNT(*) FROM Employee; 103 Faizal Zaidi NULL SELECT COUNT(*) FROM Employee; Ans. Count(*) 3 Count(Commission) 1 13. Table: FLIGHT Consider the table FLIGHT given below. Write output. FLOODE START DESTINATION NO STOPS NO_FLIGHTS TOTOL DELHI AGARTALA 1 5 (i) SELECT MAX(NO_FLIGHTS) FROM FLIGHT; TOTOL DELHI AGARTALA 1 5 (i) SELECT START, COUNT(*) FROM FLIGHT; TOTOL DELHI AGARTALA 1 5 (ii) SELECT START, COUNT(*) FROM FLIGHT; TOTOL MUMBAL SIRKIM 1 3 (ii) SELECT START, COUNT(*) FROM FLIGHT GROUP IN INCIDING RANPUR CHENNAL 2 2 2 BY Start; TOTOL MUMBAL RANPUR CHENNAL 3 2 2 TOTOL MUMBAL RANPUR CHENNAL 3 2		(i) SE	LECT C	OUNT (DIS	TINCT	(BRA	NDNA	AME)) FROM GYM:
11. Table: SBOP								
11. 12. Table: SBOP Salaance DateOtopen Transaction Given 'Employee' table as follows: 12. Employee_ID NAME Commission Select COUNT(*) FROM SBOP; 101 Sabhyata Sharma NULL Sabhyata Sharma NULL Select COUNT(*) FROM Employee; 102 Divya Arora 8900 Select COUNT(*) FROM Employee; 103 Faizal Zaidi NULL Select COUNT(*) FROM Employee; Ans. Count(*) Select COUNT(*) FROM Employee; Ans. Count(*) Select COUNT(*) FROM Employee; Ans. Count(*) Select COUNT(*) FROM Employee; Itable: Start Destination No_stops No_FLIGHTS Itable: Start Null No_stops No_FLIGHTS Itable: Start Null Null Null No_stops No_FLIGHTS Itable: Start Null N								
11. Table: SBOP		Ans. i	i)	COUNT	(DISTI	NCT	(BRA	ANDNAME))
11. Table: SBOP		•••		6				
Table: SBOP Consider the following table named 'SBOP" with details of account holders. Write output. Account Name Balance DateOtopen Transaction 1500.00 2011-02-24 Ans. COUNT(*) FROM SBOP; COUNT(*) SB-2 Nr. Amit 1500.00 2011-02-24 Ans. COUNT(*) Sabhyata Sharma NULL 102 Divya Arora Sabhyata Sharma NULL 103 Faizal Zaidi NULL Table: FLIGHT Consider the following table named 'SBOP" with details of account holders. Write output. COUNT(*) SELECT COUNT(*) FROM SBOP; COUNT(*) SELECT COUNT(*) SELECT COUNT(*) SELECT COUNT(*) SELECT COUNT(*) FROM Employee; SELECT COUNT(Commission) FROM Employee; SELECT COUNT(Commission) FROM Employee; SELECT COUNT(Commission) FROM Employee; (i) SELECT COUNT(*) SELECT COUNT(*) FROM Employee; SELECT COUNT(*) SELECT COUNT(*) FROM Employee; (i) SELECT MAX(NO_FLIGHTS) FROM FLIGHT; IC101 DELHI AGARTALA 1 SIGNIA SELECT MAX(NO_FLIGHTS) FROM FLIGHT; IC103 DELHI JAPUR 0 7 (ii) SELECT START, COUNT(*) FROM FLIGHT GROUP IC105 RANPUR CHENNAI 2 2 BY Start;		Ш		<u>Max(Pri</u>	<u>ce)</u>			20000
Table: \$BOP	11							
Accountine Name Balance DateOfopen Transaction	11.	Table : SBG	OP					
12. Employee_ID NAME Commission Given 'Employee' table as follows : 101 Sabhyata Sharma NULL What values will the following statements return ? 102 Divya Arora 8900 SELECT COUNT(*) FROM Employee; 103 Faizal Zaidi NULL SELECT COUNT(*) FROM Employee; Ans. Count(*) 3 Count(*) 3 Count(*) 3 Count(*) 3 Count(*) 5 Count(*) 5 Count(*) 5 Count(*) 5 Count(*) 5 Count(*) 5 Count(*) 6 Count(*)		Accountno	Name	Balance	DateOfopen	Transac		
12. Employee_ID NAME Commission Given 'Employee' table as follows : 101 Sabhyata Sharma NULL 102 Divya Arora 8900 SELECT COUNT(*) FROM Employee; 103 Faizal Zaidi NULL SELECT COUNT(*) FROM Employee; Ans. Count(*) 3 Count(Commission) 13. Table: FLIGHT Consider the table FLIGHT given below. Write output. FLOODE START DESTINATION NO_STOPS NO_FLIGHTS 1C101 DELHI AGARTALA 1 5 1C102 MUMBAI SIKKIM 1 3 (i) SELECT MAX(NO_FLIGHTS) FROM FLIGHT; 1C103 DELHI JAIPUR 0 7 (ii) SELECT START, COUNT(*) FROM FLIGHT GROUP 1C105 KANPUR CHENNAI 2 2 2 1C107 MUMBAI KANPUR 0 4 BY Start; 1C107 MUMBAI KANPUR 0 4 BY Start;					•		(i	i) SELECT COUNT(*) FROM SBOP;
12. Employee_ID NAME Commission Given 'Employee' table as follows : 101 Sabhyata Sharma NULL 102 Divya Arora 8900 SELECT COUNT(*) FROM Employee; SELECT COUNT(*) FROM Employee; SELECT COUNT(Commission) FROM Employee; SELECT COUNT(Commission) FROM Employee; SELECT COUNT(Commission) FROM Employee; SELECT COUNT(Commission) I		SB-1	Mr.Anil	15000.00	2011-02-2	4 7		
101 Sabhyata Sharma NULL 102 Divya Arora 8900 SELECT COUNT(*) FROM Employee; 103 Faizal Zaidi NULL SELECT COUNT(Commission) FROM Employee; Ans. Count(*) 3 Count(Commission) 1 13. Table: FLIGHT Consider the table FLIGHT given below. Write output. FLODE START DESTINATION NO_STOPS NO_FLIGHTS		SB-2	Mr.Amit	23567.89		8	Α	Ans. <u>COUNT(*)</u>
101 Sabhyata Sharma NULL 102 Divya Arora 8900 SELECT COUNT(*) FROM Employee; 103 Faizal Zaidi NULL SELECT COUNT(Commission) FROM Employee; Ans. Count(*) 3 Count(Commission) 1 13. Table: FLIGHT Consider the table FLIGHT given below. Write output. FLODE START DESTINATION NO_STOPS NO_FLIGHTS							5	Civon (Employee) table fallance
102 Divya Arora 8900 What values will the following statements return? SELECT COUNT(*) FROM Employee; SELECT COUNT(Commission) FROM Employee; Ans. Count(*) 3 Count(Commission) 1 13. Table: FLIGHT Consider the table FLIGHT given below. Write output. FLCODE START DESTINATION NO_STOPS NO_FLIGHTS IC101 DELHI AGARTALA 1 5 IC102 MUMBAI SIKKIM 1 3 (i) SELECT MAX(NO_FLIGHTS) FROM FLIGHT; IC103 DELHI JAIPUR 0 7 (ii) SELECT START, COUNT(*) FROM FLIGHT GROUP IC105 KANPUR CHENNAI 2 2 BY Start; IC431 INDORE CHENNAI 3 2	12.		yee_ID					
SELECT COUNT(*) FROM Employee; Faizal Zaidi NULL SELECT COUNT(*) FROM Employee; SELECT COUNT(Commission) FROM Employee; SELECT COUNT(Commission) FROM Employee; SELECT COUNT(*) FROM Emp								What values will the following statements return 2
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Ans. Count(*) 3 Count(Commission) 1 13. Table: FLIGHT Consider the table FLIGHT given below. Write output. FLCODE START DESTINATION NO_STOPS NO_FLIGHTS IC101 DELHI AGARTALA 1 5 IC102 MUMBAI SIKKIM 1 3 (i) SELECT MAX(NO_FLIGHTS) FROM FLIGHT; IC103 DELHI JAIPUR 0 7 (iii) SELECT START, COUNT(*) FROM FLIGHT GROUP IC105 KANPUR CHENNAI 2 2 2 IC107 MUMBAI KANPUR 0 4 IC431 INDORE CHENNAI 3 2		103		Faizal Za	aidi	N	NULL	
Table: FLIGHT Consider the table FLIGHT given below. Write output. FLODE START DESTINATION NO_STOPS NO_FLIGHTS IC101 DELHI AGARTALA 1 5 IC102 MUMBAI SIKKIM 1 3 (i) SELECT MAX(NO_FLIGHTS) FROM FLIGHT; IC103 DELHI JAIPUR 0 7 (ii) SELECT START, COUNT(*) FROM FLIGHT GROUP IC105 KANPUR CHENNAI 2 2 IC107 MUMBAI KANPUR 0 4 IC431 INDORE CHENNAI 3 2								(22 (22 (22 (22 (22 (22 (22 (22 (22 (22
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13. Table: FLIGHT Consider the table FLIGHT given below. Write output. FLCODE START DESTINATION NO_STOPS NO_FLIGHTS IC101 DELHI AGARTALA 1 5 IC102 MUMBAI SIKKIM 1 3 (i) SELECT MAX(NO_FLIGHTS) FROM FLIGHT; IC103 DELHI JAIPUR 0 7 (ii) SELECT START, COUNT(*) FROM FLIGHT GROUP IC105 KANPUR CHENNAI 2 2 IC107 MUMBAI KANPUR 0 4 IC431 INDORE CHENNAI 3 2			3					
FLCODE START DESTINATION NO_STOPS NO_FLIGHTS IC101 DELHI AGARTALA 1 5 IC102 MUMBAI SIKKIM 1 3 (i) SELECT MAX(NO_FLIGHTS) FROM FLIGHT; IC103 DELHI JAIPUR 0 7 (ii) SELECT START, COUNT(*) FROM FLIGHT GROUP IC105 KANPUR CHENNAI 2 2 BY Start; IC431 INDORE CHENNAI 3 2			Coun	t(Commis	<u>ssion)</u>			
FLCODE START DESTINATION NO_STOPS NO_FLIGHTS IC101 DELHI AGARTALA 1 5 IC102 MUMBAI SIKKIM 1 3 (i) SELECT MAX(NO_FLIGHTS) FROM FLIGHT; IC103 DELHI JAIPUR 0 7 (ii) SELECT START, COUNT(*) FROM FLIGHT GROUP IC105 KANPUR CHENNAI 2 2 BY Start; IC431 INDORE CHENNAI 3 2	12			1 Tak	ole : FLIC	HT		Consider the table FLICHT sixes below Water
IC101 DELHI AGARTALA 1 5 IC102 MUMBAI SIKKIM 1 3 (i) SELECT MAX(NO_FLIGHTS) FROM FLIGHT; IC103 DELHI JAIPUR 0 7 (ii) SELECT START, COUNT(*) FROM FLIGHT GROUP IC105 KANPUR CHENNAI 2 2 IC107 MUMBAI KANPUR 0 4 IC431 INDORE CHENNAI 3 2	13.		DE STAR				PS N	Consider the table FLIGHT given below. Write output.
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IC105 KANPUR CHENNAI 2 2 BY Start; IC431 INDORE CHENNAI 3 2								
IC431 INDORE CHENNAI 3 2		IC105	KANF	PUR CHENNA	I 2		2	
							-	
		10431	INDO	RE CHENNA	$\Pi = \pm 3$	3	2	



	TI		- - - - -			la a . !		2 MIII I velvee
	The	ename fi	eld in en	np table	e will	be h	aving	3 NULL values
20.	Kuna colur SELE The Control Then SELE The Control Then SELE He pansw Yes, are control total	I has entenns. CT COUNT output disported to the country output	red the force (*) FROM collayed is ters the force (*) FROM e output for sents out force eater the force (*)	ollowing M STUDE 20. following M STUDE 15. following M STUDE of the elect co of which an or e	SQL of SQ	nand HERE nand HERE que	: Totall : Totall ry as !	n Table 'STUDENT' that has TotalMarks as one of the Marks <100; Marks >= 100; 5. Do you agree with Kunal ? Give reason for your dent where totalMarks>=100 will be 5 as there Marks less than 100 so 5 students will have a
21.		comman				(ii)	(:) T-	diamber Assaultan with somehow of Colors
			(Table : Salespe	erson)				display Area along with number of Salespersons in that area.
	SID	Name	Phone	DOB	Salary	Area	(ii) SE	LECT Area, COUNT (*) FROM Salesperson GROUP BY
	S101	Amit Kumar	98101789654	1967-01-23	67000.00	North	Area ŀ	HAVING COUNT (*) > 1;
	S102	Deepika Sharma	99104567834	1992-09-23	32000.00	South	i) Se	lect area,count(*) from salesperson group by
	S103	Vinay Srivastav	98101546789	1991-06-27	35000.00	North	area;	
	S104	Kumar Mehta	88675345789	1967-10-16	40000.00	East	ii) <u>Arc</u> North	
	S105	Rashmi Kumar	98101567434	1972-09-20	50000.00	South	South	
22.	6190			Loan_A 30 809876	HBD Ltd.	C 20	17-06-13	Observe the given table named "Loan" carefully and predict the output of the
	2342	Mr. Rajesh	86543278	90 745738	ICU0 Ltd.	CI 20		following queries:
	5436	Mrs. Sapna	a 88835463.	54 NULL	NBI Ltd.S		17-07-24	select count(file_no)-count(loan_amt) from loan;
	4354	Mr. Navne	et 97647474	74 647484			17-08-13	count(file_no)-count(loan_amt)
	2634	127 Ms. Puja	87464547	42 546373	HBD	C 20	17-08-30	1
					Ltd.			

Informatics Practices My SQL Worksheet-9 (Joins)

In a database there are two tables 'Customer' and 'Bill' as shown below: 1.

С	us	to	m	er	
_					

CustomerID	CustomerName	CustAddress		BillNo	CustID	Bill_Amt
1	Akhilesh Narang	C4,Janak Puri,Delhi		1	2	12000
<u> </u>				2	1	15000
2	Purnima Williams	B1, Ashok Vihar, Delhi		3	2	13000
3	Sumedha Madaan	33, South Ext., Delhi		4	3	13000
			·	5	2	14000

- (i) How many rows and how many columns will be there in the Cartesian product of these two tables?
- (ii) Which column in the 'Bill' table is the foreign key?
- i) There will be 5 columns and 15 rows in the Cartesian product of these two tables.
- ii) CustID in the bill table is a foreign key

SetName

Nokia 2G

Nokia 3G

BlackBerry

Consider the tables HANDSETS and CUSTOMER given below: 2.

TouchScreen

Ν

Υ

Ν

CustNo	SetNo	CustAddress
1	N2	Delhi
2	B1	Mumbai
3	N2	Mumbai
4	N1	Kolkata

Customer

With reference to these tables, Write commands in SQL for (i) and (ii) and output for (iii) below:

(i) Display the CustNo, CustAddress and corresponding SetName for each customer.

PhoneCost

5000

8000

14000

- (ii) Display the Customer Details for each customer who uses a Nokia handset.
- (iii) select SetNo, SetName from Handsets, customer where SetNo = SetCode and CustAddress = 'Delhi';
- Select custno, custaddress, setname i)

from handsets, customer

where setcode=setno;

ii) Select customer.*

SetCode

N1

N2

В1

from handsets, customer

where setcode=setno and setname like "Nokia%";

- iii) SetNo **SetName N2** Nokia 3G
 - **B1 BlackBerry**

In a database there are two tables "Company" and "Model" as shown below: 3.

Company

CompID CompName CompHO ContPerson Titan Okhla C.B.Aiit 2 Maxima Shahdara V.P.Kohli 3 R. Mehta Ajanta Najafgarh

ModelID	ComplD	ModelCost
T020	1	2000
M032	4	2500
M059	2	7000
A167	3	800
T024	1	1200

- (i) Identify the foreign key column in the table Model.
- (ii) Check every value in CompiD column of both the tables. Do you find any discrepancy?
- i) ComID is the foreign key in model table
- ii) The discrepancy is a value 4 in the compID field of Model table.
- Consider the tables DOCTORS and PATIENTS given below: 4.

	DO	CTORS	
DocID	DocName	Department	OPD_Days
101	M. Panday	ENT	TTS
102	G. P. Gupta	Paed	MWF
201	C.K. Sharma	Ortho	MWF

PatNo	PatName	Department	DocID
1	Neeraj	ENT	101
2	Mohit	Ortho	201
3	Ragini	ENT	101
4	Mohit	Paed	102
5	Nandini	Ortho	201

W1th reference to these tables, wnte commands m SQL for (1) and (II) and output for (iii) below:

- (i) Display the PatNo, PatName and corresponding DocName for each patient
- (ii) Display the list of all patients whose OPD Days are MWF.
- select OPD Days, Count(*) from Doctors, Patients where Patients, Department = Doctors. Department Group by OPD Days;
- Select PatNo, patName, DocName

From Doctors, Patients

Where Doctors.DocID=Patients.DocID;

ii) Select Patients.*

From Doctors, Patients

Where Doctors.docID=Patients.DocID amd OPD Days="MWF";

iii) OPD Days Count(*)

> TTS **MWF**

In a database there are two tables "Product" and "Client" as shown below: 5. Table: Client Table: PRODUCT

ProductName Price P ID Manufacture P001 XYZ 40 Moisturiser P002 Sanitizer LAC 35 COP 25 P003 Bath Soap 95 P004 TAP Shampoo

C_ID	ClientName	City	P_ID
01	Dreamz Disney	New Delhi	P002
05	Life Line Inc	Mumbai	P005
12	98.4	New Delhi	P001
15	Appolo	Banglore	P003

Write the commands in SQL queries for the following:

COP

- (i) To display the details of Product whose Price is in the range of 40 and 120 (Both values included)
- (ii) To display the ClientName, City from table Client and ProductName and Price from table Product, with their corresponding matching PID.

350

- (iii) To increase the Price of all the Products by 20.
 - i) Select *

Lens Solution

P005

From Product

where price between 40 and 120;

ii) Select clientName, city, productName, price

From Product, Client

Where Product.P ID=Client.P ID;

iii) **Update Product**

Set price=price+20;

In a. Database School there are two tables Member and Division as show below. 6.

Table: Member

Empld	Name	Pay	Divno
1001	Shankhya	34000	10
1003	Ridhima	32000	50
1002	Sunish	45000	20

	Table : Division	
Divno	Divname	Location
10	Media	TF02
20	Dance	FF02
30	Production	SF01

- (i) Identify the foreign key in the table Member.
- (ii) What output, you will get, when an equi-join query is executed to get the NAME from Member Table and corresponding DivName from Division table?
 - i) DivNo is a foreign key in member table
 - ii) Name Shankhya

Divname Media

Sunish

Dance

7. In a Database there are two tables: Table ITEM:

ICode	Iname	Price
101	Television	75000
202	Computer	42000
303	Refrigerator	90000
404	Washing Machine	27000

Table BRAND:

ICode	Brand
101	Sony
202	HP
303	LG
404	IFB

Write MySql queries for the following:

- (i) To display ICode, IName and corresponding Brand of those Items, whose Price is between 20000 and 45000 (both values inclusive).
- (ii) To display ICode, Price and BName, of the item which has IName as "Television".
- (iii) To increase the price of all the Items by 15%.
 - i) Select ICode, IName, Brand

From Item, Brand

Where Item.Icode=Brand.ICode and price between 20000 and 45000;

ii) Select ICode, Price, Brand

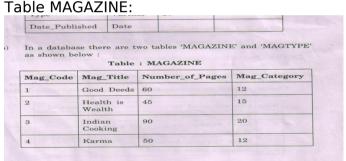
From Item, Brand

Where IName IN("Television");

iii) Update Item

Set Price=Price + Price *15/100;

8. In a Database there are two tables :



	Mag_Category	Туре
	1	Bollywood
	12	Spiritual
	15	Fitness
	20	Cookery
(i)	Which column can b MAGAZINE table?	e set as the Primary key
(ii)	Which column in the 'N	MAGAZINE' table is the fore
	How many rows and co	olumns will be there in the C
(iii)	product of the above 2	tables ?
(iii) (iv)	Write command in	tables ? SQL to Display the Management of the SQL and the Magazine to the Mag

- (i) Which column can be set as the PRIMARY KEY in the MAGAZINE table?
- (ii) Which column in the 'MAGAZINE' table is the foreign key?
- (iii) How many rows and columns will be there in the Cartesian product of the above 2 tables.
- (iv) Write command in SQL to display the mag_code, Mag_Title and corresponding types for all the Magazines.
- (v) Write the output:
 - (vi) Select Mag_Code, Mag_Title, Number_of_Pages, Type From MAGAZINE,MAGTYPE Where Magazine.Mag Category=Magtype.Mag Category and Type='Spiritual';
 - i) Mag_Code can be set as primary key in magazine table
 - ii) Mag category is the foreign key in magazine table
 - iii) In the Cartesian product of these two tables there will be 6 columns and 16 rows.
 - iv) Select Mag_Code, Mag_Title, Type From Magazine, magType

Where magazine.mag_category=magType.category;

v) <u>Mag_Code</u> <u>Mag_Title</u> <u>Number_of_Pages_Type</u>

1 Good Deeds 60 Spiritual

In a Database Kamataka_Sangam there are two tables with the instances given below :

Table : STUDENTS

ADMNO	NAME	CLASS	SEC	RN	ADDRESS	PHONE
1211	Meena	12	D	4	A-26	2345678
1212	Vani	10	D	1	B-25	5456789
1213	Meena	12	Α	1	Emection	oMir
1214	Karish	10	В	3	AB-234	4567890
1215	Suraj	011	LIT C	2	ZW12	4345677

ADMNO		COACHNAME	GRADE
ADMINO	GAME	COACHNAME	GRADE
1215	Cricket	Mr.Rai	A
1213	Vollyball	Ms. Chadha	В
1211	Vollyball	Mr. Govardhan	A
1212	Basket Ball	Mr. Tiwani	В

Write SQL queries for the following:

(i) To count how many addresses are not having NULL values in the address column of students

table.

- (ii) To display Name, Class from STUDENT table and the corresponding Grade from SPORTS table.
- (iii) To display Name of the student and their corresponding Coachnames from STUDENTS and SPORTS tables.
 - Select count(*) i)

from students

where address is not null:

ii) Select Name, Class, Grade

From students, sports

Where students.admno=sports.admno;

iii) Select Name, Coachname

From students, sports

Where students.admno=sports.admno;

10. In a Database Multiplexes, there are two tables with the following data. Write MySQL queries for (i) to (iii), which are based on TicketDetails and AgentDetails:

Table: TicketDetails

Tcode	Name	Tickets	A_code			
S001	Meena	7	A01			
S002	Vani	5	A02			
S003	Meena	9	A01			
S004	Karish	2	A03			
S 005	Suraj	1	A02			

Table : AgentDetails

Acode	AName
A01	Mr.Robin
A02	Mr.Ayush
A03	Mr.Trilok
A04	Mr.John

- (i) To display Tcode, Name and Aname of all the records where the number of tickets sold is more than 5.
- (ii) To display total number of tickets booked by agent "Mr. Ayush"
- (iii) To display Acode, Aname and corresponding Tcode where Aname ends with "k".
- (iv) With reference to "TicketDetails" table, which column is the primary key? Which column is the foreign key? Give reason(s)
 - i) Select TCode, Name, AName

From TicketDetails, AgentDetails

Where A Code=Acode and tickets>5;

ii) Select sum(Tickets)

From TicketDetails, AgentDetails

Where A_Code=Acode and aName="Mr. Ayush";

iii) Select Acode, AName, Tcode

From TicketDetails, AgentDetails

Where A_Code=Acode and Aname like "k%";

- In TicketDetails TCode is Primary Key and A_code is foreign key as two tickets iv) cannot have same no. whereas the Agent code i.e. A Code is referencing its values from the Acode field in AgentDetails table.
- In a database there are two tables 'CD' and 'TYPE' as shown below:

Table: CD

CODE	TITLE	DURATION	SINGER	CATEGORY
101	Sufi Songs	50 min	Zakir Faiz	12
102	Eureka	45 min	Shyama Mukherjee	12
103	Nagmey	23 min	Sonvi Kumar	77
104	Dosti	35 min	Bobby	1

100010 1 1 1 1 1	
CATEGORY	DESCRIPTION
1	Jazz
12	Classical
40	Country Side
78	Pop

- (i) Name the Primary key in "CD" table.
- (ii) Name the foreign key in "CD" table.
- (iii) Write the Cardinality and Degree of "TYPE" table.
- (iv) Check every value in CATEGORY column of both the tables. Do you find any discrepancy? State the discrepancy.
- i) Code

Category GARMENT ii)

iff) DE Cardinality = 4 and Degree = 2 of the Type table

iv¹)¹¹ **Yes, the discrepancy is a value 77 in category field in CD table.** 112 1600.00 Jeans Blue

113 Skirt М Black 1100.00 114 Ladies Jacket XLBlue 4000.00 115 Trousers L Brown 1500.00

31

13. Consider the tables 'Flights' & 'Fares' given below: Flights

FNO	SOURCE	DEST	NO_OF_FL	NO_OF_STO
IC301	MUMBAI	BANGALORE	3	2
IC799	BANGALORE	KOLKATA	8	3
MC101	DELHI	VARANASI	6	0
IC302	MUMBAI	KOCHI	1	4
AM812	LUCKNOW	DELHI	4	0
MU499	DELHI	CHENNAI	3	3

Fares

FNO	AIRLINES	FARE	TAX	
IC301	Indian Airlines	9425	5	
IC799	Spice Jet	8846	10	
MC101	Deccan Airlines	4210	7	
IC302	Jet Airways	13894	5	
AM812	Indian Airlines	4500	6	
MU499	Sahara	12000	4	

With reference to these tables, write commands in SQL for (i) and (ii) and output for (iii) below:

- i. To display flight number, source, airlines of those flights where fare is less than Rs. 10000.
- ii. To count total no of Indian Airlines flights starting from various cities.
- iii. SELECT FLIGHTS.FNO, NO_OF_FL, AIRLINES FROM FLIGHTS,FARES WHERE FLIGHTS.FNO = FARES.FNO AND SOURCE='DELHI';
 - i) Select Flights.FNO, Source, airlines

From Flights, Fares

Where Flights.FNO=Fares.FNO and fare<10000;

ii) Select Sum(No_of_FI)

From Flights, Fares

Where Flights.FNO=Fares.FNO and airlines="Indian Airlines";

iii) <u>FLIGHTS.FNO</u> <u>NO OF FL AIRLINES</u> MC101 6 Deccan Airlines

MU499 3 Sahara

14. A table STUDENT has 5 rows and 3 columns. Table ACTIVITY has 4 rows and 2 columns. What will be the cardinality and degree of the Cartesian product of them?

The degree will be 5
The cardinality will be 20

15. Consider the following table named "GARMENT".

What is the degree and cardinality of 'Garment' table?

Degree=5 Cardinality=6

16. In a Database, there are two tables given below:

Table : JOE

Table : EMPLOYE	Е	JOBID	JOBTITLE		
EMPLOYEEID	NAME	SALES	JOBID	101	President
E1	SAMIT SINHA	1100000	102	102	Vice President
E2	VIJAY SINGH TOMAR	1300000	101	103	Administration Assist
E3	AJAY RAJPAL	1400000	103	104	Accounting Manager
E4	MOHIT RAMNANI	1250000	102	105	Accountant
E5	SHAILJA SINGH	1450000	103	106	Sales Manager

Write SQL Queries for the following:

- (i) To display employee ids, names of employees, job ids with corresponding job titles.
- (ii) To display names of employees, sales and corresponding job titles who have achieved sales more than 1300000.

200000 125000 80000

65000

(iii) To display names and corresponding job titles of those employee who have 'SINGH' (anywhere) in their names.

(iv) Identify foreign key in the table EMPLOYEE. Select EmployeeID, Name, JobID, JobTitle From Employee, Job Where Employee.jobid=job.jobid; ii) Select Name, Sales, Jobtitle From Employee, Job Where Employee.jobid=job.jobid and sales>1300000; iii) Select Name, Jobtitle From Employee, lob Where Employee.jobid=job.jobid and name like "%Singh%"; **JobID** iv) Consider the tables given below. 17.

Salesperson	-			Orders			
SalespersonId	Name	Age	Salary	OrderId	SalespersonId	Amount	
1	Ajay	61	140000	10	2	54000	
2	Sunil	34	44000	20	7	18000	
5	Chris	34	40000	30	1	46000	
7	Amaaya	41	52000	40	5	24000	

- i. The SalespersonId column in the "Salesperson" table is the <u>Primary Key</u>.The SalespersonId column in the "Orders" table is a <u>Foreign</u>KEY.
- ii. Can the 'Salespersonld' be set as the primary key in table 'Orders'. Give reason.
- Ii. No salespersonID cannot be set as the primary key in orders table as two salesperson can give multiple orders, so the ordered will be primary key and salespersonID will be the foreign key which will refer its values from the salespersonid field of salesperson table.
- 18. With reference to the above given tables, Write commands in SQL for (i) and (ii) and output for (iii) below:
 - i. To display SalespersonID, names, orderids and order amount of all salespersons.
 - ii. To display names ,salespersons ids and order ids of those sales persons whose names start with 'A' and sales amount is between 15000 and 20000.
 - iii. SELECT Salesperson.SalespersonId, name, age, amount FROM Salesperson, orders WHERE Salesperson.salespersonId= Orders.salespersonId AND AGE BETWEEN 30 AND 45:
 - i. Select Salesperson.salespersonID, Name, OrderID
 From Salespersons, orders

Where Salesperson.salespersonID=Orders.SalespersonID;

ii. Select Salesperson.salespersonID, Name, OrderID From Salespersons, orders

Where Salesperson.salespersonID=Orders.SalespersonID and name like "A%" and amount between 15000 and 20000;

- iii. <u>Salesperson.SalespersonId name age amount</u> 2 Sunil 34 54000 5 Chris 34 24000
- 19. Consider the tables given below:

Table : Faculty

TeacherId	Name	Address	State	PhoneNumber
T101	Savita Sharma	A-151, Adarsh Nagar	Delhi	991019564
T102	Deepak Ghai	K-5/52, Vikas Vihar	Mumbai	893466448
T103	MahaLakshmi	D-6	Delhi	981166568
T104	Simi Arora		Mumbai	658777564

Table : Course

Courseld	Subject	TeacherId	Fee
C101	Introductory Mathematics	T101	4500
C103	Physics	T101	5000

		C104	Inducation C	C-!		T100	4000	
		C104	Introductory Co	•		T102	4000	
		C105	Advance Comp		T104	6500		
		(i) Which column is used to relate the two tables ?						
				ey and a fo	reign key	both in o	ne table ? Jus	tify your answer
		e help of table	given above.					
	i)	TeacherID						
								Example in the
		oove course tak						y.
20.		rence to the ab	ove given table	s, write coi	mmands ir	i SQL for (ı) and (ii)	
		ut for (iii) :		C.T. I	DI .			
		olay Courseld, T						
			D, Names of I	eachers, S	ubjects of	all teacr	iers with han	nes of Teachers
	starting \	CT Courseld, Su	hiost Course To	ascharld Na	ma Phana	Number E	DOM	
		Course WHERE F						
	i)		ursed, Course					
	1,	From Facult		. reacheri	D, Name,	FIIOHEIN	uiiibei	
			ty.TeacherID	=Course T	eacherID	and stat	e="Delhi":	
	ii)		culty.Teacher			ana stat	c- benn ,	
	,	From Facult		ib, italiic	, Subject			
			ty.TeacherID	=Course.T	eacherID	and nam	e like "S%"	•
	iii)	Courseld					eacherId	, Name
	,	PhoneNumb						
			Advance Comp	uter Scie	nce T1	.04	Sim	ni Arora
		658777564	•					
21.	Consider	the tables gi	ven below whi	ch are lin	ked with	each oth	er and main	tains referential
	integrity:							
	Table: SA	۸P						
	SAPID	ItemCo	de Item	Name	ItemStora	ige		
					Location			
	S1001	1001	Rece	iver	W12-B3-	R24		
	S1002	1002	Tran	sponder	W13-B7-	R87		
	S1003	1003		ry Bank	W21-B1-			
	S1004	1004	Inve	•	W21-B11			
	S1005	1005	Gens		W22-B15			
	Table : S		Gen		11 22 D13	1010		
	StoreID	ItemCode	StoreLoc	ation Re	ceivedDate			
	1201	1001	Hauz Kh		16/05/20			
	1202	1002	Rajouri (16/06/14			
	1203	1003	Rohini		16/05/06			
	1204	1004	Hauz Kh		16/07/15			
	1205	1005	Rajendra	Place 20	16/05/27			
	With refe	rence to the al	ove given tabl	es, write co	mmands i	n SQL for	(i) and (ii) ar	d output for (iii)
	below:		_					·
	i.		ItemCode,Item					
	ii.			ltemStorag	eLocation	of all the	items whose	Received date is
		after 2nd May 2016.						
	 iii. SELECT SAPID, ItemName, STOREID FROM SAP, Store WHERE SAP. ItemCode = Store. ItemCode AND StoreLocation = "Hauz Khas" iv. What will be the degree and cardinality of the cartesian product formed while combining 						e WHERE	
	iv.					tesian pro	pauct formed	wniie combining
	both the above given tables 'SAP' and 'Store'? v. Sangeeta is not able to add a new record in the table 'Store' through the following query:						following:	
	٧.							ronowing query:
			store values (1		Karui Bagi	ı, ZU10/(11/23);	
	i.		rror if there is a emCode, Iten		colved D-	to.		
	1.	From SAP, S		iivaille, Ke	ceiveapa	ite		
			tore temCode=Sto	ra ItamCa	de			
	ii.		, ItemName, s					
	11.			.corerocal	.1011			
		From SAP, Store Where SAP.ItemCode=Store.ItemCode and ReceivedDate>"2016-05-02";						05-02":
	iii.		temCode=5to temName		de and Ki STOREID	eceiveub	ate/ 2010-	03-02 ,
	••••	S1001 Receiver 1201						
			receivei rerter	120				
	iv.	The degree v		120	-			
		The cardinal						
		riie carumal	Ly Will DC 23					

v. She will not be able to insert the record as 1006 ItemCode is not there in the itemCode field in SAP table and since ItemCode in store table is a foreign key so it will refer its value from the itemcode field of SAP table.

Informatics Practices

My SQL Worksheet-10

(Transaction)

1. Which command is used in MySql to make the changes in database permanent?									
	Commit	Commit							
2.	Give one difference between ROLLBACK and COMMIT commands used in MySql.								
	Rollback reverses all the changes being done using insert, update or delete after starting the transaction.								
	Commit saves all the changes being done by Inssert, Update or delete after starting the transaction.								
3.	A table named 'GAMES' has the following contents:								
	GCode				PrizeMoney				
	101	Carom Boar		tayers	5000				
	102	Badminton	2		12000				
	103	Table Tenn			8000				
				I					
	Write the output that will be displayed by statements (i) and (ii). SELECT * FROM GAMES;								
	SET AUTOCOMMIT = 0;								
	INSERT INTO GAMES VALUES(105, 'CHESS', 2, 9000);								
	ROLLBA	•							
	SAVEPO	•	=C. (!)						
			ES;	N TENINIC	/ 4 25000\·				
	SAVEPO		VALULS(100, LAVVI	CIVIVIDIE	, + ,2J000],				
			VALUES(109, 'CRICI	KFT'.11.2	0000):				
		CK TO S2;	77.2023(203) O	,,_					
		FROM ITEM;	(ii)						
	i)								
	GCod e	GameNam e	Number_of_Play ers	PrizeMo ey	on				
	101	Carom Board	2	5000					
	102	Badminton	2	12000	 				
	103	Table Tennis	4	8000					
	ii)	Tennis							
	GCod	GameNam	Number of Play	PrizeMo	on T				
	e	e	ers	ey					
	101	Carom Board	2	5000					
	102	Badminton	2	12000					
	103	Table Tennis	4	8000					
	108	Lawn	4	25000					
		Tennis							
4.	Consider the Stu table								
	The following SQL queries are executed on the above table								
	INSERT INTO Stu VALUES(5,'Gagan'); COMMIT; UPDATE Stu SET name='Abhi' WHERE Rollno = 4								
	SANGPONNT A; NAME INSERT INTO Stu VALUES(6,'Chris'); SAVEPOINT B; INSERT INTO Stu VALUES(7,'Babita'); SAVEPOINT C;								
	ROLLBACK TO 物; What will be the output of the following SQL query now:								

	4	Aakash						
			SELEC	CT * FROM Stu;				
	RollN	Name	7					
	0							
	2	Ashi Bimmi	_					
	4	Abhi						
	6 Chris							
5.	Given below is the 'Stu' table : RNO NAME							
		1	Amit					
		2	Bhishr	m				
	The follow	_						
	The following statements are entered : SET AUTOCOMMIT = 0;							
				ahul'); COMMIT; /a' where Rno= 5; SAVEPOINT A;				
	INSERT IN	ITO Stu VALI	IES(6, 'Cr	istina'); SAVEPOINT B;				
	INSERT INTO Stu VALUES(7, 'Fauzia'); SAVEPOINT C; ROLLBACK TO B;							
		will be the		the following statement ?				
	SELECT * FROM Stu; RNo Name							
	1	Amit						
	2 Bhishm							
	5	Rahuliya Cristina						
6.		Geetanjali had created a table "Customer" in the database "Test". Immediately after the success						
		ite rollback s		wrote the Rollback command to undo the creation of the table. Did ly? Explain.				
	No, She	did not ex	cute the	e command successfully as rollback command only reverses				
	the changes done using INSERT, UPDATE or DELETE.							
7.	Given below is the 'Department' table :							
	DEPCO	DEPCODE DEPNAME		SET AUTOCOMMIT = 0; UPDATE Department SET DEPNAME = 'OFFICE' WHERE DEPNAME				
	101 ADM		IIN	'ADMIN'; INSERT INTO Department VALUES (104, 'HRD');				
				UPDATE Department SET DEPNAME = 'FRONT OFFICE' WHERE DEPNAME = 'RECEPTION';				
			EPTION	COMMIT;				
				DELETE FROM Department WHERE DEPNAME = 'FRONT OFFICE'; ROLLBACK;				
			SONNEL	SELECT * FROM Department;				
	DepCod	DepName		What will be the output of the above given SELECT statement?				
	е							
	101 102	OFFICE FRONT						
	102	OFFICE						
	103	PERSONI	IEL					
	104	HRD						