

Chapter 2-Getting Started with Python

1. What are the features of python? (2)

ANS: Refer from notebook

2. Explain interactive mode. (1)

ANS: Interactive mode is used when an user wants to run one single line or one block of code

3. What is script mode? (1)

ANS: Script mode is used when the user is working with more than one single code or a block of code.

4. What is IDLE? (1)

ANS: IDLE stands for Integrated Development and Learning Environment.

5. What are tokens?Give example (1)

ANS: Refer from notebook

6. Explain Keyword and Identifier with example. (2)

ANS: Refer from notebook

7. Difference between # and ''' in python? (1)

ANS: # is used for commend the program in single line wise.

(Single line command)

''' is used for commend more than one line(Multi line command)

8. Explain data types in python. (2)

ANS: Refer from notebook

9. Explain operators in python with an example program. (3)

ANS: Refer from notebook(use any 3 or more operators)

Operators are used for do some Arithmetic and logical calculations.

- Arithmetic operators
- Logical operators
- Assignment operators

- Comparison operators
- Identity operators
- Membership operators

```

A=15
B=5
C=A+B
print("The result of",A,"+",B,"is "C)
C=A-B
print("The result of",A,"-",B,"is "C)
C=A*B
print("The result of",A,"*",B,"is "C)

```

10. Differentiate / and // in python. (1)

ANS: Refer from notebook

11. What is mean by Boolean output? (1)

ANS: Boolean output means it will generate either True or False as the output.

12. Identify the valid identifiers from the following. (1)
 [Serial.No, 1A, fun, Total_marks, True, Name, Num1, _rollno, print]

ANS: fun, Total_marks, Name, Num1, _rollno

13. Write the output of the following when Num1=4 and Num2=3 and Num3=2. (3)

```

a.
Num1=4
Num2=Num1+1
Num1=2
print(Num2,Num1)

```

ANS: 5,2

```
b. Num1=Num1**(Num2+Num3)
   print(Num1)
```

ANS:1024

```
c. Num1=2+9*((3*12)-8)/10
   print(Num1)
```

ANS: 27.2

14. Categorise the following as syntax error,logical error or run time error.

(2)

a. 25/0

b. Num=25;Num2=0;Num1/Num2

ANS:

a. Runtime error

b. Syntax error

15. Write a program to swap two numbers without using third variable.

(2)

ANS:

```
A=15
```

```
B=10
```

```
A=A+B
```

```
B=A-B
```

```
A=A-B
```

```
print(A,B)
```