

PYTHON – WORKSHEET 1

Q1 to Q8 have only one correct answer. Choose the correct option to answer your question.

1. Which of the following operators is used to calculate remainder in a division?

A) #

B) &

C) %

D) \$

Answer: % (C – option)

2. In python 2//3 is equal to?

A) 0.666

B) 0

C) 1

D) 0.67

Answer: 0 (B – Option)

3. In python, 6<<2 is equal to?

A) 36

B) 10

C) 24

D) 45

Answer: 24 (C –option)

4. In python, 6&2 will give which of the following as output?

A) 2

B) True

C) False

D) 0

Answer: 2 (A – Option)

5. In python, 6|2 will give which of the following as output?

A) 2

B) 4

 \vec{C}) 0

D) 6

Answer: 6 (D – Option)

- 6. What does the finally keyword denotes in python?
 - A) It is used to mark the end of the code
 - B) It encloses the lines of code which will be executed if any error occurs while executing the lines of code in the try block.
 - C) the finally block will be executed no matter if the try block raises an error or not.
 - D) None of the above

Answer: the finally block will be executed no matter if the try block raises an error or not. (Option - C)

7. What does raise keyword is used for in python?

A) It is used to raise an exception.

B) It is used to define lambda function

C) it's not a keyword in python.

D) None of the above

Answer: It is used to raise an exception. (A- Option)

8. Which of the following is a common use case of yield keyword in python?

A) in defining an iterator

B) while defining a lambda function

C) in defining a generator

D) in for loop.

Answer: in defining a generator (C- option)

Q9 and Q10 have multiple correct answers. Choose all the correct options to answer your question.

9. Which of the following are the valid variable names?

A) _abc B) 1abc

C) abc2 D) None of the above

Answer: Options – A,B,C

10. Which of the following are the keywords in python?

A) yield B) raise

C) look-in D) all of the above

Answer: Options A & B

Q11 to Q15 are programming questions. Answer them in Jupyter Notebook.

- 11. Write a python program to find the factorial of a number.
- 12. Write a python program to find whether a number is prime or composite.
- 13. Write a python program to check whether a given string is palindrome or not.
- 14. Write a Python program to get the third side of right-angled triangle from two given sides.
- 15. Write a python program to print the frequency of each of the characters present in a given string.