

## 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) %**

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

- A) 0.666                B) 0
- C) 1                     D) 0.67

**Answer: B) 0**

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

- A) 36                    B) 10
- C) 24                    D) 45

**Answer: C) 24**

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

- A) 2                      B) True
- C) False                D) 0

**Answer: A) 2**

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

- A) 2                      B) 4
- C) 0                     D) 6

**Answer: D) 6**

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: 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.**

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: A) It is used to raise an exception.**

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: C) in defining a generator**

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: A) \_abc**

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

- A) yield            B) raise
- C) look-in        D) all of the above

**Answer: D) all of the above**

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.