

## PYTHON – WORKSHEET 1

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

- A) #    B) &  
C) %    D) \$

**ANS- C) %**

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

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

**ANS-B) 0**

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

- A) 36    B) 10  
C) 24    D) 45

**ANS- C) 24**

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

- A) 2    B) True  
C) False    D) 0

**ANS- A) 2**

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

- A) 2    B) 4  
C) 0    D) 6

**ANS-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

**ANS- C) the finally block will be executed no matter if the try block raises an error or not.**

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

**ANS- 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.

**ANS- 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

**ANS- A) \_abc and C) abc2**

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

A) yield B) raise

C) look-in D) all of the above

**ANS- A) yield and B) raise**

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