**WORKSHEET-1**

**PYTHON**

**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?

**Answer:** C) %

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

**Answer:** B) 0

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

**Answer:** C) 24

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

**Answer:** A) 2

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

**Answer:** Answer should be 6 because of bit wise OR operation.

6. What does the finally keyword denotes in python?

**Answer:** 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?

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

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

**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?

**Answer:** A) \_abc C) abc2

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

**Answer:** A) yield B) raise

**Q11 to Q15 are programming questions. Please find solution in jupyter nootebook.**

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.