**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?

**C) %**

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

**B) 0**

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

**C) 24**

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

**A) 2**

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

**D) 6**

6. What does the finally keyword denotes in python?

**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.**

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

**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?

**(Both A & C)**

**A) \_abc C) abc2**

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

**(Both A & B)**

**A) yield 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.

**Q11 to Q15 answers are in Jupyter notebook**

<http://localhost:8888/notebooks/Internship%20DS2406/Worksheet_set_1_Python/Worksheet_set_1_Python.ipynb>