

## PYTHON – WORKSHEET 1

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

- A) # B) &
- C) % D) \$

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

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

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

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

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

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

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

- A) 2 B) 4
- C) 0 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

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

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.

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

- A) \_abc
- B) 1abc
- C) abc2
- D) None of the above

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

- A) yield
- B) raise
- C) look-in
- 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.