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) $

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.

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

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.