

## **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) \$

**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.

**Are solved in python1**

Ln [1],[2],[3],[4],[5]