

## **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) \$

**Answer: C) %**

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

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

**Answer: B) 0**

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

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

**Answer: C) 24**

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

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

**Answer: A) 2**

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

- A) 2
- B) 4
- C) 0
- D) 6

**Answer: 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

**Answer: A) It is used to mark the end of the code. 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

**Answer: 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.

**Answer: A) in defining an iterator.**

**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

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

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

- A) yield      B) raise
- C) look-in      D) all of the above

**Answer: 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.

**Answer: program coding done in jupyter notebook and file uploaded in github**

12. Write a python program to find whether a number is prime or composite.

**Answer: program coding done in jupyter notebook and file uploaded in github**

13. Write a python program to check whether a given string is palindrome or not.

**Answer: program coding done in jupyter notebook and file uploaded in github**

14. Write a Python program to get the third side of right-angled triangle from two given sides.

**Answer: program coding done in jupyter notebook and file uploaded in github**

15. Write a python program to print the frequency of each of the characters present in a given string

**Answer: program coding done in jupyter notebook and file uploaded in github**