

# PYTHON – WORKSHEET 1

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**

9. Which of the following are the valid variable names?  
A) \_abc B) 1abc  
C) abc2 D) None of the above

**Ans: 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

**Ans: 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.

**For Answer: *Please refer to attached JUPYTER Notebook file.***