

**PYTHON –  
WORKSHE  
ET 1**

**Q1 to Q8 have only one correct answer. Choose the correct option to answer your question.**

- Which of the following operators is used to calculate remainder in a division?
  - # B) &
  - C) % D) \$
- In python 2//3 is equal to?
  - A) 0.666 B) 0
  - C) 1 D) 0.67
- In python, 6<<2 is equal to?
  - A) 36 B) 10
  - C) 24 D) 45
- In python, 6&2 will give which of the following as output?
  - 2 B) True
  - C) False D) 0
- In python, 6|2 will give which of the following as output?
  - 2 B) 4
  - C) 0 D) 6
- What does the finally keyword denotes in python?
  - It is used to mark the end of the code
  - It encloses the lines of code which will be executed if any error occurs while executing the lines of code in the try block.
  - the finally block will be executed no matter if the try block raises an error or not.
  - None of the above
- What does raise keyword is used for in python?
  - 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
- Which of the following is a common use case of yield keyword in python?
  - 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.**

- Which of the following are the valid variable names?
  - abc B) 1abc
  - C) abc2 D) None of the above
- Which of the following are the keywords in python?
  - yield B) raise
  - C) look-in D) all of the above

**Q11 to Q15 are programming questions. Answer them in Jupyter Notebook.**

- Write a python program to find the factorial of a number.
- Write a python program to find whether a number is prime or composite.
- Write a python program to check whether a given string is palindrome or not.

- Write a Python program to get the third side of right-angled triangle from two given sides.
- Write a python program to print the frequency of each of the characters present in a given string.