

## 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: 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: 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) and C)**

10. Which of the following are the keywords in python?
- |            |                     |
|------------|---------------------|
| A) yield   | B) raise            |
| C) look-in | D) all of the above |

**Ans: D) all of the above**

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

1. Write a python program to find the factorial of a number.
  2. Write a python program to find whether a number is prime or composite.
  3. Write a python program to check whether a given string is palindrome or not.
  4. Write a Python program to get the third side of right-angled triangle from two given sides.
  5. Write a python program to print the frequency of each of the characters present in a given string.
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