

**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) [%-MODULUS OPERATOR]**

2. In python 2//3 is equal to?
- A) 0.666                      B) 0  
C) 1                                D) 0.67

**ANSWER: (B)[0]**

3. In python,  $6 \ll 2$  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 : (C)**[**FINALLY**-It 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)** [ **RAISE**-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 : (C)[ YIELD -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

**ANSWER : (A &C)[\_abc,abc2 are the valid variable names]**

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

A) yield

B) raise

C) look-in

D) all of the above

**ANSWER : (A &B)['yield' and 'raise' are the keywords used in python]**

**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.
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