

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) % (true)
- D) \$

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

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

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

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

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

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

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

- A) 2
- B) 4
- C) 0
- 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. **(TRUE)**
- D) None of the above

7. What does raise keyword is used for in python?

- A) It is used to raise an exception. **(true)**
- B) It is used to define lambda function
- C) it's not a keyword in python.
- D) None of the above

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 **(TRUE)**
- D) in for loop.

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` (true) B) `1abc`
- C) `abc2` (true)
- D) None of the above

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

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

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.