

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: - 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

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?

- A) _abc
- B) 1abc
- C) abc2
- D) None of the above

Ans: - A) _abc and C) abc2

Which of the following are the keywords in python?

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

Ans: - A) yield and B) raise

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

- 9. Write a python program to find the factorial of a number.
- 10. Write a python program to find whether a number is prime or composite.
- 11. Write a python program to check whether a given string is palindrome or not.
- 12. 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.