

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) \$ |

Answer: C) %

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<<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) 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

Answer: 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.

Answer: A) in defining an iterator

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 and C

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

A) yield

B) raise

C) look-in

D) all of the above

Answer: A and B

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.