

Test - 1



MCQs (1 x 5)

1. To convert every word in a sentence, we have to use _____ method.

(a) capitalize() (b) casefold() (c) title() (d) upper()

2. What will happen if we try to execute the following block of code.

```
print("I am inevitable 10".lower())
```

(a) It will show an error as the string includes an integer

(b) It won't show anything

(c) "I am inevitable 10".lower()

(d) "i am inevitable 10"

MCQs

3. Which option is correct if we want to print the 3rd , 4th and 5th items from a list.

```
my_list = [1, 5, 10, 10, 5, 1]
```

(a) `print(my_list[3:5])`

(b) `print(my_list[2,6])`

(c) `print(my_list[-1:-4])`

(d) `print(my_list[-4:-1])`

MCQs

4. Which method should we use if we want to join two lists?
[list_1 and list_2]

- (a) list_1.append(list_2)
- (b) list_1.join(list_2)
- (c) list_1.extend(list_2)
- (d) list_1[::].join(list_2)

5. Can we delete a function with del keyword?

- (i) Yes
- (ii) No

Answer all the questions. (2 x 5)

1. Write a Python program that accepts a string from user. Your program should create a new string in reverse of first string and display it.
2. A palindrome is a string that reads the same backward as forward. For example, the words dad, madam and radar are all palindromes. Write a programs that determines whether the string is a palindrome.
3. Write a program that rotates the element of a list 'n' times so that the element at the first index moves to the second index, the element in the second index moves to the third index, etc., and the element in the last index moves to the first index. (n = no. of rotation)

Answer all the questions. (2 x 5)

4. Write a program that keeps student's name and his marks in a dictionary as key-value pairs. The program should store records of 10 students and display students name and marks of five students in decreasing order of marks obtained.
5. Write a program that prompts the user to input a number and reverse its digits. For example, the reverse of 12345 is 54321; reverse of 5600 is 65.

Answer any one of the following. (5 x 1)

1. Write a function to check whether two given strings are anagram of each other or not. An anagram of a string is another string that contains the same characters, only the order of characters can be different. For example, “abcd” and “dabc” are an anagram of each other. (I will be happy if you choose this!)
2. Floyd's triangle is a right-angled triangular array of natural numbers as shown below:

1

2 3

4 5 6

Write a program to print the Floyd's triangle of n rows.