1. Write a Python program to test whether a passed letter is a vowel or not.

2. Write a Python program to print out a set containing all the colors from color\_list\_1 which are not present in color\_list\_2. color\_list\_1 = set(["White", "Black", "Red"])  
color\_list\_2 = set(["Red", "Green"])

3. Write a Python program to solve (x + y) \* (x + y).

4. Write a Python program to calculate the sum of the digits in an integer.

5. Write a Python program to calculate the length of a string.

6. Write a Python program to get a single string from two given strings, separated by a space and swap the first two characters of each string.  
Sample String : 'abc', 'xyz'   
Expected Result : 'xyc abz'

7. Write a Python program to remove the nth index character from a nonempty string.

8. Write a Python script that takes input from the user and displays that input back in upper and lower cases.

9. Write a Python function to insert a string in the middle of a string.

10.Write a Python program to print the floating numbers upto 2 decimal places with a sign.

   