Day-5 (Assignment)

1. Write a Python program to find the length of a string without a library function.
2. Write a Python program to calculate the number of digits and letters in a string.
3. Write a Python program to count the number of vowels in a string.
4. Write a Python program to reverse a string.
5. Write a Python program that finds whether a given character is present in a string or not. In case it is present it prints the index at which it is present. Do not use built-in find functions to search the character.
6. Write a Python program to get a string from a given string where all occurrences of its first char have been changed to '$', except the first char itself.
   Sample String: 'restart'
   Expected Result: 'resta$t'
7. 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'
8. Write a Python program to add 'ing' at the end of a given string (length should be at least 3). If the given string already ends with 'ing' then add 'ly' instead. If the string length of the given string is less than 3, leave it unchanged.
   Sample String : 'ab'
   Expected Result : 'ab'
   Sample String : 'abc'
   Expected Result : 'abcing'
   Sample String : 'string'
   Expected Result : 'stringly'

Practice:

1. Write a Python program to display the smallest word from the string.
2. Write a Python function that accepts a string and calculates the number of upper case letters and lower case letters. Sample String: ‘The quick Brown Fox’
   Expected Output:
   No. Of Upper-case Characters: 3
   No. Of Lower-case Characters: 13