**String Operations**

1. Write a Python program to calculate the length of a string.
2. 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'
3. 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'
4. 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 : 'abc'  
   Expected Result : 'abcing'   
   Sample String : 'string'  
   Expected Result : 'stringly'
5. Write a Python program to find the first appearance of the substring 'not' and 'poor' from a given string, if 'not' follows the 'poor', replace the whole 'not'...'poor' substring with 'good'. Return the resulting string.  
   Sample String : 'The lyrics is not that poor!'  
   'The lyrics is poor!'  
   Expected Result : 'The lyrics is good!'  
   'The lyrics is poor!'
6. Write a Python function that takes a list of words and returns the word with the longest length.
7. Write a Python program to remove the nth index character from a nonempty string.
8. Write a Python program to change a given string to a new string where the first and last chars have been exchanged.
9. Write a Python program to remove the characters which have odd index values of a given string.
10. Write a Python program to count the occurrences of each word in a given sentence.
11. Write a Python script that takes input from the user and displays that input back in upper and lower cases.
12. Write a Python program that accepts a comma separated sequence of words as input and prints the unique words in sorted form (alphanumerically).  
    Sample Words : red, white, black, red, green, black

Expected Result : black, green, red, white,red

1. Write a Python program to create a Caesar encryption.
2. Note : In cryptography, a Caesar cipher, also known as Caesar's cipher, the shift cipher, Caesar's code or Caesar shift, is one of the simplest and most widely known encryption techniques. It is a type of substitution cipher in which each letter in the plaintext is replaced by a letter some fixed number of positions down the alphabet. For example, with a left shift of 3, D would be replaced by A, E would become B, and so on. The method is named after Julius Caesar, who used it in his private correspondence.
3. Write a Python program to print the following floating numbers upto 2 decimal places and with no decimal places.

Given :- 203.556787655

1. Write a Python program to convert a string in a list.
2. Write a Python program to swap comma and dot in a string.   
   Sample string: "32.054,23"  
   Expected Output: "32,054.23"