**1.** Write a Python program to calculate the length of a string. 

**2.** Write a Python program to count the number of characters (character frequency) in a string.    
Sample String : google.com'  
Expected Result : {'o': 3, 'g': 2, '.': 1, 'e': 1, 'l': 1, 'm': 1, 'c': 1}

**3.**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'

**4.** 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 : 'xycabz'

**5.** 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'

**6.** 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!'

**7.**Write a Python function that takes a list of words and returns the length of the longest one.

**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

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

**14.** Write a Python function to get a string made of 4 copies of the last two characters of a specified string (length must be at least 2).    
Sample function and result :   
insert\_end('Python') ->onononon  
insert\_end('Exercises') ->eseseses

**15.** Write a Python function to get a string made of its first three characters of a specified string. If the length of the string is less than 3 then return the original string.   
Sample function and result :   
first\_three('ipy') ->ipy  
first\_three('python') ->pyt

**16.**Write a Python program to get a char in a string just before specified substring.

**17.** Write a Python function to reverses a string if it's length is a multiple of 4.

**18.** Write a Python function to convert a given string to all uppercase if it contains at least 2 uppercase characters in the first 4 characters.

**19.**Write a Python program to sort a string lexicographically.

**20.** Write a Python program to remove all newlines in a string.

**21.** Write a Python program to check whether a string starts with specified characters

**22.** Write a Python program to count occurrences of a substring in a string.

**23.** Write a Python program to reverse a string.

**24.** Write a Python program to reverse words in a string.

**25.** Write a Python program to strip a set of characters from a string

**26.** Write a Python program to count repeated characters in a string.    
Sample string: 'thequickbrownfoxjumpsoverthelazydog'  
Expected output :  
o 4  
e 3  
u 2  
h 2  
r 2  
t 2

**27.** Write a Python program to print the index of the character in a string

**28.** Write a Python program to check if a string contains all letters of the alphabet.

**29.** Write a Python program to convert a string in a list.

**30.** Write a Python program to lowercase first n characters in a string.

**31.** Write a Python program to swap comma and dot in a string.    
Sample string: "32.054,23"  
Expected Output: "32,054.23"

**32.** Write a Python program to count and display the vowels of a given text.

**33.** Write a Python program to split a string on the last occurrence of the delimiter(space).

**34.** Write a Python program to find the first non-repeating character in given string.

**35.**Write a Python program to print all permutations with given repetition number of characters of a given string.

**36.** Write a Python program to find the first repeated character in a given string.

**37.** Write a Python program to find the first repeated character of a given string where the index of first occurrence is smallest.

**38.**Write a Python program to find the first repeated word in a given string.

**39.** Write a Python program to find the second most repeated word in a given string.

**40.**Write a Python program to remove spaces from a given string.

**41.** Write a Python program to move spaces to the front of a given string.

**42.** Write a Python program to find the maximum occurring character in a given string.

**43.** Write a Python program to capitalize first and last letters of each word of a given string.

**44.** Write a Python program to remove duplicate characters of a given string.

**45**.WAP to find whether string entered from keyboard contains the character ‘a’ or not.

**46**.WAP to find number of occurrences of character ‘o’ in the string entered through keyboard. If the character ‘o’ is not present in the string then show a message “o is not present in the entered string”.

**47**.WAP which read a string from keyboard and print it in reverse order.

**48**.WAP which read the string and print only vowel characters of entered string on computer screen.

**49**.WAP that reads a string from keyboard and determine whether the string is palindrome or not.

**50**.WAP to delete all vowel from a sentence of the character length 15. The sentence should be entered through keyboard.