**1.** Write a Python program to calculate the length of a string without using len(). 

**2.**Write a Python program to change a given string to a new string where the first and last chars have been exchanged. 

**3.**Write a Python program to remove the characters which have odd index values of a given string.

**4.**Write a Python program to count the occurrence of words in a given string.

**5.**Write a Python program that takes input from the user and displays that input back in upper and lower cases.

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

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

**8.** Write a Python program to sort a string lexicographically(ascending).

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

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

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

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

**13.** Write a Python program to check if a string contains all vowels of the alphabet.

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

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

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

**17.** Write a Python program to split a string on the last occurrence of the space.

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

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

**20.** Write a Python program to capitalize first and last letters of a given string.

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

**22**.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”.

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

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