

## **Lab Task**

### **String in C**

1. Write a program in which user will enter a string (without spaces). The string will be passed to a function which will check that the string is palindrome or not and display a message accordingly.
2. Write a C program that does the following according to user input. It's a menu-driven program. The user is asked to enter a string. Then the program displays the following menu:
  - A) Count the number of vowels in the string
  - B) Count both the vowels and consonants in the string
  - C) Compare another string with the string: Take another string input from the user and display where the first string is less than, equal to or greater than the other string.
  - D) Concatenate another string with the existing string.
  - E) Exit the program.

The program performs the operation selected by the user and repeats until the user selects E to exit the program.

3. Write a program that take first name, last name from the user. Using the string functions concatenate the two strings with a space in the mid and display the first name, last name and full name. The full name should be stored in another string. The first string and the second string should not be changed during that process.