Lab Sheet 7

Strings

1. Write a program to calculate the length of a string entered by the user without using **strlen().**
2. Write a program to accept and reverse a string without using **strrev()**
3. Write a program to check whether the given string is a palindrome or not.
4. Write a program to read in a string and display the count of vowels in the string.
5. Write a program to concatenate two strings without using the library function **strcat()**.
6. Write a program to compare two strings without using the library function **strcmp()**.
7. Write a program to extract
   i. *n* characters starting from the specified index.
   ii. Last *n* characters
8. Write a program to delete
   i. First n characters from a string and display the resultant string
   ii. *n* characters starting from the specified index and display the resultant string.
9. Write a program to enter a text and a pattern. Count the number of times the pattern is repeated in the text.