

Lab Assignment - 7

Marks:30

1. Write a C program to find the frequency of a given character in a string.

Example: Enter a string: Hello World

Enter a character: l

Frequency of l is: 3

[5 marks]

2. Write a C program to remove all the characters except alphabets in a string.

Example: Input: P2rog\$5ra^ m./

Output: Program

[5 marks]

3. Write a C program to reverse a string using recursion.

Example: Input: Hello World

Output: dlroW olleH

[5 marks]

4. Write a C program to get the largest element of an array using recursion.

[5 marks]

5. Write a C program to check whether a given string is palindrome or not without using string functions.

Example: Input: level

Output: The string is a palindrome

[5 marks]

6. Write a C program to check whether a substring is present in a string or not.

Example: Enter a string: This is a test string.
Enter the substring to be searched : test
Output: The substring exists in the string.

[5 marks]