ASSIGNMENT-21

Strings

String:

String is not a data type in C. It is used to store multi characters constants in C.

We can implement strings in c using char array.

String is a sequence of characters that ends with null character.

**Note: Write a separate function for each problem.**

1. Write a program to calculate the length of the string. (without using built-in method)
2. Write a program to compare two string.

Example 1:

Input string 1: Hello

Input string 2: World

Output: Strings are not equal

Example 2:

Input string 1: Hello

Input string 2: Hello

Output: Strings are equal

1. Write a program to count vowels in a given string
2. Write a program to convert a given string into uppercase
3. Write a program to convert a given string into lowercase
4. Write a program to reverse a string.
5. Write a program in C to count the total number of alphabets, digits and special

characters in a string.

1. Write a program in C to copy one string to another string.
2. Write a program in C to find the frequency of characters. For example, in string hello world, frequency of h is 1, frequency of l is 3 and so on.
3. Write a C program to count words in a given string. Example: Input string is “ TODAY IS SUNDAY”. Output: Number of words in the string is 3.