

Aim:

Write a program to implement the string manipulation operations by using string library functions.

At the time of execution, the program should print the message on the console as:

Enter two strings :

For example, if the user gives the input as:

Enter two strings : Ram Laxman

then the program should print the result as:

The length of Ram : 3
The copied string of Ram : Ram
Ram is greater than Laxman
The concatenated string : RamLaxman

Note: Do use the printf() function with a newline character (\n) at the end.

Source Code:

str.c

```
#include<stdio.h>
#include<string.h>
void main()
{
    char str1[100],str2[100];
    int len;
    printf("Enter two strings : ");
    scanf("%s%s",&str1,&str2);
    len=strlen(str1);
    printf("The length of %s : %d\n",str1,len);
    printf("The copied string of %s : %s\n",str1,strcpy(str1,str1));
    int i=strcmp(str1,str2);
    if(i==0)
    {
        printf("Both strings are equal\n",str1,str2);
    }
    else if(i>0)
    {
        printf("%s is greater than %s\n",str1,str2);
    }
    else
    {
        printf("%s is less than %s\n",str1,str2);
    }
    printf("The concatenated string : %s\n",strcat(str1,str2));
    printf("\n");
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter two strings : Ram Laxman
The length of Ram : 3
The copied string of Ram : Ram
Ram is greater than Laxman
The concatenated string : RamLaxman

Test Case - 2
User Output
Enter two strings : Faculty Bird
The length of Faculty : 7
The copied string of Faculty : Faculty
Faculty is greater than Bird
The concatenated string : FacultyBird