S.No: 17	Exp. Name: *Write a C program to implement the string manipulation operations by using library functions.*	Date:2023-04-03

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

```c
#include<stdio.h>
#include<string.h>
int main()
{
    int l;
    char str1[100],str2[100];
    printf("Enter two strings : ");
    scanf("%s%s",str1,str2);
    l=strlen(str1);
    printf("The length of %s : %d\n",str1,l);
    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");
    }
    else if(i>0)
    {
        printf("%s is greater than %s\n",str1,str2);
    }
    else
    {
        printf("%s is less thsn %s\n",str1,str2);
    }
    printf("The concatenated string : %s\n",strcat(str1,str2));
    return 0;
}
```

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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