

LAB-8-EVALUATION PROGRAMS

PROGRAM-1-COPYING ONE STRING TO ANOTHER

```
#include <stdio.h>
int main()
{
    char s1[100], s2[50], i, j, l;
    printf("Enter any String = ");
    gets(s1);
    printf("Enter another string = ");
    gets(s2);
    while(s1[i] != '\0')
        i++;
    l = i;
    while(s2[j] != '\0')
    {
        s1[i] = s2[j];
        i++;
        j++;
    }
    l = i;
    printf("Length of the string=%d\n", l);
    s1[i] = '\0';
    printf("After copying the string = ");
    puts(s1);
    return 0;
}
```

OUTPUT:

```
Enter any String = My name is
Enter another string =   Jhanavi L
Length of the string=20
After copying the string = My name is Jhanavi L

Process returned 0 (0x0)   execution time : 30.783 s
Press any key to continue.
```

```
Enter any String = Welcome to C
Enter another string =   Programming
Length of the string=24
After copying the string = Welcome to C Programming

Process returned 0 (0x0)   execution time : 31.380 s
Press any key to continue.
```

```
Enter any String = Hi,
Enter another string =   How are you
Length of the string=15
After copying the string = Hi, How are you

Process returned 0 (0x0)   execution time : 21.766 s
Press any key to continue.
```

PROGRAM-2-

```
// STUDENT DETAILS USING STRING
#include<stdio.h>
void main()
{
    struct student
    {
        int rollno;
        char name[20];
        char sec[3];
        char dept[20];
        int totalmarks;
    }
    student1, student2;
    printf("Enter the name of student 1 and student 2\n");
    scanf("%s%s", student1.name, student2.name);
    printf("Enter the roll number of student 1 and student 2\n");
    scanf("%d%d", &student1.rollno, &student2.rollno);
    printf("Enter section of student 1 and student 2\n");
    scanf("%s%s", student1.sec, student2.sec);
    printf("Enter the department of student 1 and student 2\n");
    scanf("%s%s", student1.dept, student2.dept);
    printf("Enter the total marks of student 1 and student 2\n");
    scanf("%d%d", &student1.totalmarks, &student2.totalmarks);
    printf("*****STUDENT 1 DETAILS*****\n");
    printf("Name = %s\n", student1.name);
    printf("Roll no = %d\n", student1.rollno);
    printf("Section = %s\n", student1.sec);
    printf("Department = %s\n", student1.dept);
    printf("Total marks = %d\n", student1.totalmarks);
    printf("*****STUDENT 2 DETAILS*****\n");
    printf("Name = %s\n", student2.name);
    printf("Roll no = %d\n", student2.rollno);
    printf("Section = %s\n", student2.sec);
    printf("Department = %s\n", student2.dept);
    printf("Total marks = %d\n", student2.totalmarks);
    if(student1.totalmarks > student2.totalmarks)
    {
        printf("\nStudent 1 got highest marks\n");
    }
    else
    {
        printf("\nStudent 2 got highest marks\n");
    }
}
```

OUTPUT:

```
Enter the name of student 1 and student 2
P
S
Enter the roll number of student 1 and student 2
1
2
Enter section of student 1 and student 2
CN
CN
Enter the department of student 1 and student 2
AI
ISE
Enter the total marks of student 1 and student 2
90
89
*****STUDENT 1 DETAILS*****
Name = P
Roll no = 1
Section = CN
Department = AI
Total marks = 90
*****STUDENT 2 DETAILS*****
Name = S
Roll no = 2
Section = CN
Department = ISE
Total marks = 89

Student 1 got highest marks

Process returned 0 (0x0)   execution time : 93.517 s
Press any key to continue.
```

```
Enter the name of student 1 and student 2
Jhanavi
Tanvi
Enter the roll number of student 1 and student 2
1
2
Enter section of student 1 and student 2
CN
CN
Enter the department of student 1 and student 2
ISE
CSE
Enter the total marks of student 1 and student 2
97
100
*****STUDENT 1 DETAILS*****
Name = Jhanavi
Roll no = 1
Section = CN
Department = ISE
Total marks = 97
*****STUDENT 2 DETAILS*****
Name = Tanvi
Roll no = 2
Section = CN
Department = CSE
Total marks = 100

Student 2 got highest marks

Process returned 0 (0x0)   execution time : 42.532 s
Press any key to continue.
_
```