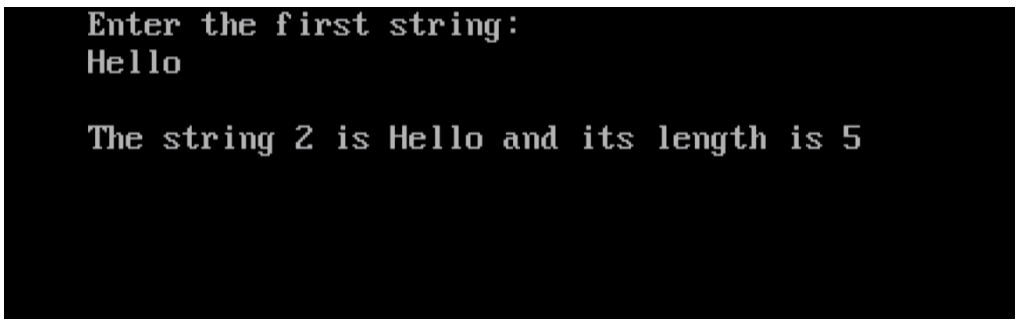
1. **Develop a C program to copy one string to another string and find its length without using built in functions**

```
#include<stdio.h>
#include<conio.h>
void main()
{
char str1[100],str2[50];
int i=0;
clrscr();
printf("Enter the first string:\n");
gets(str1);
while(str1[i]!='\0')
{
str2[i]=str1[i];
i++;
}
str2[i]='\0';
printf("\nThe string 2 is %s and its length is %d\n",str2,i);
getch();
}
```

OUTPUTS



2. **Develop a C program to create student structure, read two student details (Student roll number, name, section, department, fees and results) and print the student details who has scored the highest.**

```
#include<stdio.h>
#include<conio.h>
void main()
{
struct student
{
int roll_no;
char name[50];
char sec[2];
char dept[50];
float fees;
int results;

}std1,std2;
clrscr();

printf("\nEnter the details of stduent 1:\n");
printf("The roll no: ");
scanf("%d",&std1.roll_no);
printf("The section: ");
scanf("%s",std1.sec);
```

```
printf("The name: ");
scanf("%s",std1.name);
printf("The department: ");
scanf("%s",std1.dept);
printf("The fees: ");
scanf("%f",&std1.fees);
printf("The results: ");
scanf("%d",&std1.results);

printf("\n\nEnter the details of stduent 2:\n");
printf("The roll no: ");
scanf("%d",&std2.roll_no);
printf("The section: ");
scanf("%s",std2.sec);
printf("The name: ");
scanf("%s",std2.name);
printf("The department: ");
scanf("%s",std2.dept);
printf("The fees: ");
scanf("%f",&std2.fees);
printf("The results: ");
scanf("%d",&std2.results);
if(std1.results>std2.results)
{
printf("\nThe student who scored the highest is student 1 and their
details:\n");
printf("The roll number is %d\n",std1.roll_no);
```

```
printf("The name is %s\n",std1.name);
printf("The section is %s\n",std1.sec);
printf("The department is %s\n",std1.dept);
printf("The fees is %.2f\n",std1.fees);
printf("The results is %d\n",std1.results);

}
else
{
printf("\nThe student who scored the highest is student 2 and their details:\n");
printf("The roll number is %d\n",std2.roll_no);
printf("The name is %s\n",std2.name);
printf("The section is %s\n",std2.sec);
printf("The department is %s\n",std2.dept);
printf("The fees is %.2f\n",std2.fees);
printf("The results is %d\n",std2.results);
}
getch();
}
```

OUPUTS

```
Enter the details of stduent 1:
The roll no: 1
The section: A
The name: Diya
The department: Comp
The fees: 12000
The results: 87


Enter the details of stduent 2:
The roll no: 2
The section: B
The name: Esha
The department: Comp
The fees: 12000
The results: 98

The student who scored the highest is student 2 and their details:
The roll number is 2
The name is Esha
The section is B
The department is Comp
The fees is 12000.00
The results is 98
```