

**Aim:**

Write a program to find the **length** of a given string without using string library functions.

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

Enter a string :

For example, if the user gives the **input** as:

Enter a string : Ganga

then the program should **print** the result as:

Length 5

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

**Source Code:**

Program601.c

```
#include<stdio.h>
int main()
{
    char s[20];
    int i;
    printf("Enter a string : ");
    scanf("%s", s);
    for(i=0;s[i]!='\0';i++);
    printf("length %d\n",i);
    return 0;
}
```

**Execution Results** - All test cases have succeeded!

Test Case - 1
User Output
Enter a string : Amaravathi
length 10