

**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()
{
    int length,i;
    char str[100];
    printf("Enter a string : ");
    gets(str);
    i=0;
    while(str[i]!='\0')
    {
        i++;
    }
    length=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