

<b><u>EX 15</u></b>	<b>PROGRAM TO FIND THE LENGTH OF STRING</b>
<b><u>DATE:</u></b>	

**AIM:**

**To find the length of the given string**

**ALGORITHM:**

Step 1 : Start the program

Step 2: Get the string

Step 3: Find the length of the string

Step 4 : Display the length of the string

Step 5 : Stop the program

**PROGRAM:**

**i) Using Library Function**

```
#include <stdio.h> #include <string.h> int main() {  
char a[100]; int length; printf("\n Enter a string to  
calculate its length="); gets(a); length = strlen(a);  
printf("\nLength of the string = %d\n", length);  
return 0;  
}
```

**ii) Without Using Library Function**

```
#include <stdio.h>
#include<string.h>
int main()
{ char i=0;a[100]; int length; printf("\nEnter a
string to calculate its length=");
scanf("%s",str); while(string1[i] !='\0') { i++;
} length=i; printf ("\n Length of the string =
%d\n",length); return 0;
}
```

### **OUTPUT:**

Enter a string to calculate its length=Introduction

Length of the string: 12

### **RESULT:**

Thus the C Program to find the length of the string has been executed and verified.