

STRING-LENGTH.CPP source

```
01: /*
02:  * Program to find string length without
03:  * using strlen function
04:  */
05:
06: #include <iostream>
07: using namespace std;
08:
09: int main() {
10:
11:     char str[100];
12:     int length = 0;
13:
14:     cout<<"Enter the string: ";
15:     cin>>str;
16:
17:     // Example string="Hello" = {'H','e','l','l','o','\0'}
18:     // length is initially zero
19:     // str[0] = 'H' != '\0'; so length+=1 and continue loop
20:     // ...
21:     // str[5] = '\0' == '\0' stop looping
22:     // print 5
23:     while(str[length]!='\0') {
24:         length++;
25:     }
26:     cout<<"The length of given string: "<<length<<endl;
27:     return 0;
28: }
29:
30:
```

STRING-LENGTH.CPP output

```
1: Enter the string: Hello
2: The length of given string: 5
3:
```