

Write a Program to print Length of the string without using strlen() function

Description

Get a string as input from user and print the length of the string without using strlen() function.

Input

Hello

Output

5

C Program

```
#include <stdio.h>
#include <string.h>
int main()
{
    char str1[50]={0};
    char c;
    int i=0;
    printf("Enter a string: ");
    fgets(str1,sizeof(str1),stdin);
    while(1)
    {
        c=str1[i];
        if(c=='\n')
            break;
        i++;
    }
    printf("length of string is: %d\n",i);
```

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```
    return 0;  
}
```

C++ Program

```
#include <iostream>  
#include <string.h>  
using namespace std;  
int main()  
{  
    char str1[50]={0};  
    char c;  
    int i=0;  
    cout<<"Enter a string: ";  
    fgets(str1,sizeof(str1),stdin);  
    while(1)  
    {  
        c=str1[i];  
        if(c=='\n')  
            break;  
        i++;  
    }  
    cout<<"length of string is: "<<i;  
  
    return 0;  
}
```

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Java

```
import java.util.Scanner;

public class Main
{
    public static void main(String[] args) {
        int i=0;


        Scanner sc = new Scanner(System.in);

        System.out.println("Enter a string: ");

        String str1 = sc.nextLine();

        char ch[]=str1.toCharArray();
        for(char c : ch)
        {
            i++;
        }

        System.out.println("Length of the string = "+i);
    }
}
```



Python

```
str1 = input("Enter a string: ")
count = 0
for s in str1:
    count = count+1
print("Length of the string is:", count)
```