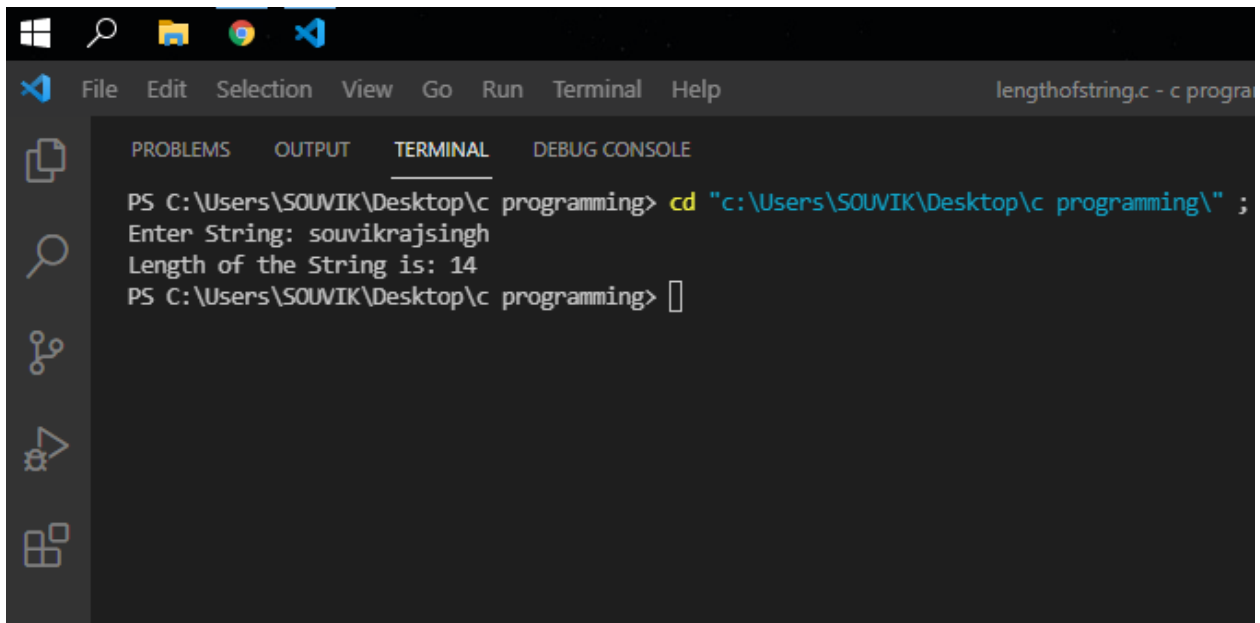


No 1. Write a C Program to find the length of a String . Test the program with your name , without any space

CODE:

```
#include <stdio.h>
int main(void)
{
    int i=0,c=0;
    char ch[100];
    printf("Enter String: ");
    gets(ch);
    while(ch[i]!='\0')
    {
        c=c+1;
        i++;
    }
    printf("Length of the String is: %d",c);
    return 0;
}
```

OUTPUT:



The screenshot shows a Windows terminal window with the following content:

```
PS C:\Users\SOUVIK\Desktop\c programming> cd "c:\Users\SOUVIK\Desktop\c programming\" ;
Enter String: souvikrajsingh
Length of the String is: 14
PS C:\Users\SOUVIK\Desktop\c programming>
```

The terminal window has a menu bar with 'File', 'Edit', 'Selection', 'View', 'Go', 'Run', 'Terminal', and 'Help'. The title bar shows 'lengthofstring.c - c progra'. The left sidebar contains icons for Explorer, Search, Source Control, Run and Debug, and Extensions.

No 2. Write a C Program to sort (Ascending Order) a set of n integer numbers taken from keyboard using Bubble Sort algorithm. (The input should be taken as : 8, 1, 90, 2, 23, 56, 23 ,89, 7, 3 ,9, 2

CODE:

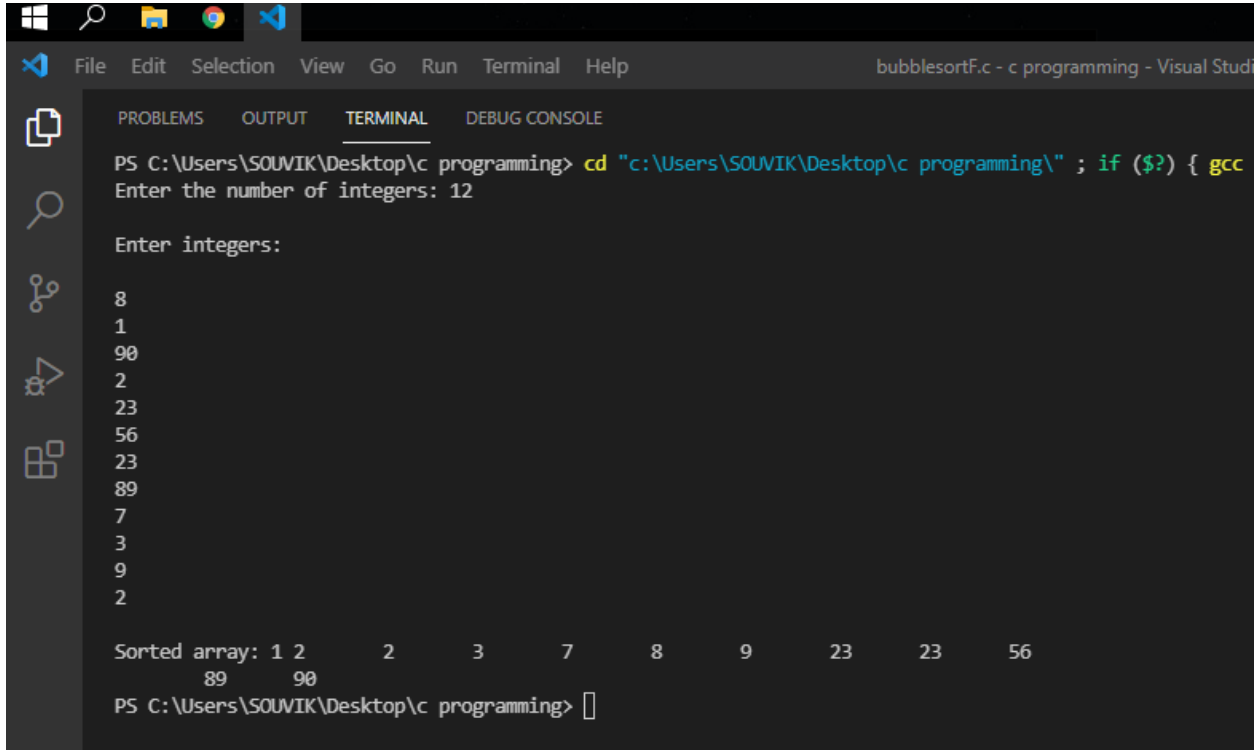
```
#include<stdio.h>
void sort(int a[],int n);

void sort(int a[], int n)
{
    int tem;
    for(int j=0;j<(n-1);j++)
    {
        for(int i=0; i<n-j-1; i++)
        {
            if(a[i]>a[i+1])
            {
                tem=a[i];
                a[i]=a[i+1];
                a[i+1]=tem;
            }
        }
    }
    printf("\nSorted array: ");
    for(int i=0; i<n; i++)
    {
        printf("%d\t", a[i]);
    }
}

int main()
{
    int n;
    printf("Enter the number of integers: ");
    scanf("%d", &n);
    int a[n];
    printf("\nEnter integers:\n");
    for(int i=0; i<n; i++)
    {
        scanf("%d", &a[i]);
    }
    sort(a,n);
    return 0;
```

}

OUTPUT:



```
PS C:\Users\SOUVIK\Desktop\c programming> cd "c:\Users\SOUVIK\Desktop\c programming\" ; if ($?) { gcc
Enter the number of integers: 12

Enter integers:
8
1
90
2
23
56
23
89
7
3
9
2

Sorted array: 1 2      2      3      7      8      9      23      23      56
              89      90
PS C:\Users\SOUVIK\Desktop\c programming> 
```