**STRING COMPRESSION**

Take as input S, a string. Write a function that does basic string compression. Print the value returned. E.g. for input “aaabbccds” print out a3b2c2d1s1.

**Input Format:**

A single String S

**Constraints:**

1 < = length of String < = 100

**Output Format**

The compressed String.

**Sample Input**

aaabbccds

**Sample Output**

a3b2c2d1s

Program-

#include<iostream>

#include<string>

using namespace std;

int main()

{

string str;

cin>>str;

int count=1,i,n,k=0;

n=str.length();

for (int i = 0; i < n; i++)

{

count = 1;

while (i < n - 1 && str[i] == str[i + 1])

{

count++;

i++;

}

cout << str[i] << count;

}

}