



# Coding Challenge #35 (Question)

## Character count in given String

*Given an Input string aaaabbbccdee. Count the number of same consecutive characters and give the output as a4b2c2d1e2.*

*Assume: Maximum Length of the string is 20.*

### Sample Input 0:

Aaaabbbccdee

### Sample Output 0:

A4b2c2d1e2

### Sample Input 1:

AAAZZZZCCBA

### Sample Output 1:

A3Z5C2B1A1



# Coding Challenge #36 (Question)

## Roots of a quadratic equation

*Write a program to find the roots of a given quadratic equation.*

*The equation will be in the form of  $ax^2 + bx + c = 0$ . The input will be 3 integers  $a$ ,  $b$  and  $c$  and the output will be the roots of the equation. The roots need to be floating-point integers with 2 precision digits.*

*Output format example:*

*root1 = -1.00 root2 = -6.00*

### Sample Input 0:

1  
-1  
-6

### Sample Output 0:

root1 = 3.00 root2 = -2.00

### Sample Input 1:

1  
7  
6

### Sample Output 1:

root1 = -1.00 root2 = -6.00