ErrorLog: Quadratic Equation

Youdis

```java
Tester.java > Tester
1    import java.util.Scanner;
2    import java.lang.Math;
3    import java.text.DecimalFormat;
4    public class Tester
5    {
6
     Run | Debug
7        public static void main(String args[])
8        {
9            // got decimal format and input recorder ready
10           DecimalFormat formatter = new DecimalFormat(pattern:"#.##");
11           Scanner Input = new Scanner(System.in);
12           //declared varibles like values user will input and roots
13           int valA, valB, valC;
14           double root1, root2;
15           //prompted user for values from a to c and recording them
16           System.out.print(s:"Please enter value for a: ");
17           valA = Input.nextInt();
18           System.out.print(s:"Please enter value for b: ");
19           valB = Input.nextInt();
20           System.out.print(s:"Please enter value for c: ");
21           valC = Input.nextInt();
22           //calculated both roots from values given
23           root1 = (-valB + Math.sqrt(Math.pow(valB, b:2) - (4*valA*valC)))/(2*valA);
24           root2 = (-valB + Math.sqrt(Math.pow(valB, b:2) - (4*valA*valC)))/(2*valA);
25           //outputted value of roots calculated
26           System.out.print("The roots are " + formatter.format(root1) + " and " + formatter.format(root1));
27       }
28   }
```

```
PROBLEMS 3    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

Please enter value for a: 4
Please enter value for b: 6
Please enter value for c: 2
The roots are -0.5 and -0.5
PS C:\Users\youdi\OneDrive\Desktop\Java> ^C
PS C:\Users\youdi\OneDrive\Desktop\Java>
```

Both roots are the same that wrong the roots should be different

```
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16          System.out.print(s:"Please enter value for a: ");
17          valA = Input.nextInt();
18          System.out.print(s:"Please enter value for b: ");
19          valB = Input.nextInt();
20          System.out.print(s:"Please enter value for c: ");
21          valC = Input.nextInt();
22          //calculated both roots from values given
23          root1 = (-valB + Math.sqrt(Math.pow(valB, b:2) - (4*valA*valC)))/(2*valA);
24          root2 = (-valB - Math.sqrt(Math.pow(valB, b:2) - (4*valA*valC)))/(2*valA);
25          //outputted value of roots calculated
26          System.out.print("The roots are " + formatter.format(root1) + " and " + formatter.format(root2));
27      }
28    }
```

PROBLEMS 2   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

aming\Code\User\workspaceStorage\242872525fea7ea01645a34d1c9c5a58\redhat.java\jdt_ws\Java_e581cf76\bin' 'Tester'
Please enter value for a: 4
Please enter value for b: 6
Please enter value for c: 2
The roots are -0.5 and -1
PS C:\Users\youdi\OneDrive\Desktop\Java> []

When printing the roots I said print root1 twice instead of root1 and root2, Also the equation for both root1 and 2 were the same and forgot to change -b + to -b -.