

Error Logs - QuadraticEquation [Mastery]

I HAD NO ERRORS THROUGHOUT THIS CODE

```
package Mastery;

import java.util.Scanner;

public class QuadraticEquation {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        //Preparing for user input
        Scanner input = new Scanner(System.in);

        //Declaration (for a , b , c and discrim, root1, root2
        int a, b, c, discrim, root1, root2;

        //prompt user for a, b and c value (used in quadratic equation)
        System.out.println("Enter an int value for a: "); //a
        a = input.nextInt();

        System.out.println("Enter an int value for b: "); //b
        b = input.nextInt();

        System.out.println("Enter an int value for c: "); //c
        c = input.nextInt();

        discrim = (b*b - 4*a*c); //Determine the value of the discrim

        if (discrim < 0) //If discrim < 0,
        {
            System.out.print("There are no real roots since the discriminant is less than 0.");
        }
        else if (discrim >= 0) //if discrim is greater than or equal to 0
        {
            root1 = (int)((-b + (Math.sqrt(discrim))) / (2 * a)); //calculate root1 (this root is
            root2 = (int)((-b - (Math.sqrt(discrim))) / (2 * a)); //calculate root2 (this root is
            if (root1 == root2) //This if statement compares the value of root1 and root2
            {
                System.out.print("The root of the quadratic equation is " + root1); //if root1
            }
            else
            {
                System.out.print("The roots of the equation are " + root1 + " and " + root2); //
            }
        }
    }
}
```