

```

package Mastery;

import java.util.Scanner;

public class QuadraticEquation {

    public static void main(String[] args) {

        Scanner userInput = new Scanner(System.in);

        //Variable initialization
        int a;
        int b;
        int c;
        double x_1;
        double x_2;

        //User input
        System.out.print("Please input the value for a: ");
        a = userInput.nextInt();
        System.out.print("Please input the value for b: ");
        b = userInput.nextInt();
        System.out.print("Please input the value for c: ");
        c = userInput.nextInt();

        //Calculations
        x_1 = (-b + Math.sqrt(b*b - 4*a*c)) / (2*a);
        x_2 = (-b - Math.sqrt(b*b - 4*a*c)) / (2*a);

        //Final output
        System.out.print("The roots are: " + x_1 + " and: " + x_2);
    }
}

```

Code was created as planned, only difficulty was putting the formula into java code. No runtime errors occurred.