

```

import java.util.Scanner;
public class quadraticEqn {

    public static void main(String[] Strings) {

        Scanner input = new Scanner(System.in);

        System.out.print("Enter value of a: ");
        double a = input.nextDouble();
        System.out.print("Enter value of b: ");
        double b = input.nextDouble();
        System.out.print("Enter value of c: ");
        double c = input.nextDouble();

        double result = b * b - 4.0 * a * c;

        if (result > 0.0) {
            double r1 = (-b + Math.pow(result, 0.5)) / (2.0 * a);
            double r2 = (-b - Math.pow(result, 0.5)) / (2.0 * a);
            System.out.println("The roots are real and unequal " + r1 + r2);
        } else if (result == 0.0) {
            double r1 = -b / (2.0 * a);
            System.out.println("The roots are real and equal " + r1);
        } else {
            System.out.println("The equation has no real solution.");
        }
    }
}

```