

The screenshot shows a Java code editor interface with the following details:

- Toolbar:** Includes icons for Run, Debug, Stop, Share, Save, Beautify, and a download icon.
- File Type:** The file is identified as "java".
- Code Content:** A Java program for solving quadratic equations. The code uses Scanner for input and System.out for output. It calculates the discriminant and checks for real roots.

```
import java.util.Scanner;
public class Main {
    public static void main(String[] args) {
        //Taking input
        double a,b,c;
        Scanner input = new Scanner(System.in);
        System.out.println("Enter the value of coefficents : \n");
        System.out.print("a = ");
        a = input.nextDouble();
        System.out.print("b = ");
        b = input.nextDouble();
        System.out.print("c = ");
        c = input.nextDouble();

        //Declaring roots variables
        double r1,r2;

        //Calculating discriminant
        double d = b*b - 4*a*c;

        //Checking for roots
    }
}
```

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Run Debug Stop Share Save Beautify

```
//Checking for roots
if(d>0) {
    System.out.println("Real and Distinct roots.\n");
    r1 = (-b + Math.sqrt(d)) / (2 * a);
    r2 = (-b - Math.sqrt(d)) / (2 * a);
    System.out.println("Roots are " +r1+ " and " +r2);
}
else if(d==0) {
    System.out.println("Real and Equal roots.\n");
    r1 = -b / (2.0 * a);
    r2 = r1;
    System.out.println("Roots are " +r1+ " and " +r2);
}
else
    System.out.println("There are no real solutions.\n");
```

```
▼ ▷ ⌂
Enter the value of coefficents :
a = 1
b = 2
c = 3
There are no real solutions.
```

```
◀ ▶ ↵
Enter the value of coefficents :
a = -1
b = -2
c = -2
There are no real solutions.
```

Enter the value of coefficients :

a = -1

b = 2

c = 3

Real and Distinct roots.

Roots are -1.0 and 3 $\sqrt{0}$