```java
1 //************************************************************
 2 // Assignment:J4A5 Basic if...else if...else Statement
 3 // Description:  a program that will find the discriminate of
the quadratic equation Ax2 + Bx + C = 0
 4 //
 5 // Author: Darshil Patel
 6 //
 7 // Date Started: Oct 25, 2016
 8 // Date Completed: OCT 25, 2016
 9 //
10 // Completion time: 10 mins
11 //
12 // Honour Code: I pledge that this program represents my own
13 //   program code. I received help from no one in designing
and debugging my program.
14 //************************************************************
15 import java.util.*;
16 public class J4A5PatelDarshil
17 {
18    public static void main (String[] args)
19    {
20       double userCalculation;
21
22       System.out.println("Enter the A Value");
23       Scanner input = new Scanner(System.in);
24       double a = input.nextDouble();
25       System.out.println("Enter the B Value");
26       double b = input.nextDouble();
27       System.out.println("Enter the C Value");
28       double c = input.nextDouble();
29
30       userCalculation = Math.pow(b, 2) - 4 * (a * c) ;
31
32       if(userCalculation == 0){
33       System.out.println("There is only one root");
34       }
35       else if(userCalculation > 0){
36       System.out.println("There are two roots");
37       }
38       else if(userCalculation < 0){
39       System.out.println("There are no real roots");
40       }
41
42    }
43 }
44
```