Program Code:

```java
 1  import java.util.Scanner;
 2  import java.lang.Math;
 3  class RealSolution
 4  {
 5      private int a,b,c;
 6
 7      void accept()
 8      {
 9          System.out.println("A Quadratic Equation is of the form ax^2 + bx + c = 0");
10          System.out.println("Enter values of a,b,c in order to find out the roots of the eqn");
11          Scanner sc = new Scanner(System.in);
12
13          System.out.print("Enter the value of a: ");
14          this.a = sc.nextInt();
15
16          System.out.print("Enter the value of b: ");
17          this.b = sc.nextInt();
18
19          System.out.print("Enter the value of c: ");
20          this.c = sc.nextInt();
21      }
22
23      double calculateD()
24      {
25          double D = (b*b)- (4*a*c);
26          if(D<0)
27              return -999;
28          else
29              return D;
30      }
31      void displayResult(double D)
32      {
33          double r1,r2;
34          if(D == -999)
35              System.out.print("Roots are complex");
36          else
37          {
38              r1 = (-b + Math.sqrt(D))/(2*a);
39              r2 = (-b - Math.sqrt(D))/(2*a);
40              System.out.println("Roots are:"+ r1 + " " + r2);
41          }
42      }
43      public static void main(String args[])
44      {
45          RealSolution rs = new RealSolution();
46          rs.accept();
47          double Discriminate = rs.calculateD();
48          rs.displayResult(Discriminate);
49      }
50  }
```

Input/Output

```
"C:\java\bin\java" -classpath "C:\Users\Madhusudhan\Desktop\JavaProgs" RealSolution
Process started (PID=3804) >>>
A Quadratic Equation is of the form ax^2 + bx + c = 0
Enter values of a,b,c in order to find out the roots of the eqn
Enter the value of a: 1
Enter the value of b: 2
Enter the value of c: 1
Roots are:-1.0 -1.0
<<< Process finished (PID=3804). (Exit code 0)
================ READY ================
```