

```

import java.util.Scanner;

class quadratic
{
    public static void main(String args[]){

        Scanner ss = new Scanner(System.in);


        System.out.println("Enter the value of A");
        double a = ss.nextDouble();


        System.out.println("Enter the value of B");
        double b = ss.nextDouble();


        System.out.println("Enter the value of c");
        double c = ss.nextDouble();


        double det, r1, r2;
        det = (b*b) - (4*a*c);
        if(det<0) {
            System.out.println("No Real Roots");
            System.exit(0);
        }

        System.out.println("The Roots are Real");{
            r1= ((-b) + Math.sqrt(det))/(2*a);
            r2 = ((-b) - Math.sqrt(det))/(2*a);


            System.out.println("The Roots of the Quadratic Equaltion are : \n"+r1+"\n"+r2);

        }
    }
}

```

Code for Quadratic Equation

```
1 import java.util.Scanner;
2 class quadratic
3 {
4     public static void main(String args[]){
5         Scanner ss = new Scanner(System.in);
6
7         System.out.println("Enter the value of A");
8         double a = ss.nextDouble();
9
10        System.out.println("Enter the value of B");
11        double b = ss.nextDouble();
12
13        System.out.println("Enter the value of c");
14        double c = ss.nextDouble();
15
16        double det, r1, r2;
17        det = (b*b) - (4*a*c);
18        if(det<0) {
19            System.out.println("No Real Roots");
20            System.exit(0);
21        }
22        System.out.println("The Roots are Real");{
23            r1= ((-b) + Math.sqrt(det))/(2*a);
24            r2 = ((-b) - Math.sqrt(det))/(2*a);
25
26            System.out.println("The Roots of the Quadratic Equation are : \n"+r1+"\n"+r2);
27        }
28
29    }
30 }
31 }
```

Output :

```
Command Prompt
D:\JDK\bin>java quadratic
Enter the value of A
1
Enter the value of B
3
Enter the value of c
5
No Real Roots

D:\JDK\bin>
D:\JDK\bin>java quadratic
Enter the value of A
5
Enter the value of B
3
Enter the value of c
-2
The Roots are Real
The Solutions of the Quadratic Equation are :
0.4
-1.0
D:\JDK\bin>
```