

Quadratic Equation.

```
import java.util.*;

public class QuadEqn {
    public static void main(String[] arg) {
        Scanner scn = new Scanner(System.in);
        int a = scn.nextInt();
        int b = scn.nextInt();
        int c = scn.nextInt();
        int d = b*b - 4*a*c;
        if (d >= 0) {
            double r1 = (-b + Math.sqrt(d)) / (2*a);
            double r2 = (-b - Math.sqrt(d)) / (2*a);
            if (d == 0) {
                System.out.println("Real Solutions " + r1);
            }
            else {
                System.out.println("Real solutions " + r1 + " " + r2);
            }
        }
        else {
            System.out.println("No Real solutions");
        }
    }
}
```

O/P - ①

1
-3
4

No Real Solutions

O/P - ②

1
-3
2

Real solutions 3.5 2.5