1. Accept integer values for a, b and c which are coefficients of quadratic equation. Find the solution of quadratic equation.

Quadratic.java

```
import java.util.Scanner;
public class Quadratic
{
    Quadratic()
    {
        double a, b, c, res, res1, res2;
        Scanner s = new Scanner(System.in);
//Author -> ITVoyagers, visit -> itvoyagers.in
        System.out.print("\n Enter first value : ");
        a = s.nextDouble();
        System.out.print("\n Enter second value : ");
        b = s.nextDouble();
        System.out.print("\n Enter third value : ");
        c = s.nextDouble();
//Author -> ITVoyagers, visit -> itvoyagers.in
        res = b * b - 4.0 * a * c;

        if(res > 0.0)
        {
            res1 = (-b + Math.pow(res, 0.5)) / (2.0 * a);
            res2 = (-b - Math.pow(res, 0.5)) / (2.0 * a);
            System.out.println("\n The equation's roots are " + res1 + " and " + res2);
        }
//Author -> ITVoyagers, visit -> itvoyagers.in
        else if(res == 0.0)
        {
            res1 = -b / (2.0 * a);
            System.out.println("\n The equation's root is " + res1);
        }
//Author -> ITVoyagers, visit -> itvoyagers.in
        else
        {
            System.out.println("\n The equation has no real roots.");
        }
        System.out.println("\n");
    }
//Author -> ITVoyagers, visit -> itvoyagers.in
    public static void main(String[] args)
    {
        new Quadratic();
    }
}
```

Output:

```
Enter first value : 4

Enter second value : 6

Enter third value : 2

The equation's roots are -0.5 and -1.0
```