

2020

JANUARY

TUESDAY

DAY 021-345 / WEEK 04

21

```
import java.util.Scanner;
```

```
class Quad {
```

```
    public static void main (String args[]) {
```

```
        double a, b, c;
```

```
        System.out.println ("Enter coefficients of  
                             n2, n and const");
```

```
        Scanner sc = new Scanner (System.in);
```

```
        a = sc.nextDouble();
```

```
        b = sc.nextDouble();
```

```
        c = sc.nextDouble();
```

```
        double sol1, sol2, det;
```

```
        det = (b*b) - (4*a*c);
```

```
        if (det < 0) {
```

```
            System.out.println ("No Real Roots");
```

```
            System.exit (0);
```

```
        }
```

```
        sol1 = ((-b) + Math.sqrt(det)) / (2*a);
```

```
        sol2 = ((-b) - Math.sqrt(det)) / (2*a);
```

```
        System.out.println ("Solutions are: \n"  
                             + sol1 + "\n" + sol2);
```

FEBRUARY 2020

M T W T F

3 4 5 6 7 8 9

10 11 12 13 14 15 16

17 18 19 20 21 22 23

24 25 26 27 28 29

```
bash
Last login: Tue Sep 29 07:50:46 on ttys000
Nikhils-MacBook-Air:~ nikhilabraham$ cd dev/oobj
Nikhils-MacBook-Air:oobj nikhilabraham$ java Quad
Enetr Coeffecients of x^2 , x and constant term
9
1
6
No Real Roots
Nikhils-MacBook-Air:oobj nikhilabraham$ java Quad
Enetr Coeffecients of x^2 , x and constant term
1
3
4
No Real Roots
Nikhils-MacBook-Air:oobj nikhilabraham$ java Quad
Enetr Coeffecients of x^2 , x and constant term
1
6
9
The Solutions of the Quadratic Equaltion are :
-3.0
-3.0
Nikhils-MacBook-Air:oobj nikhilabraham$
```