

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

```
public class main Program {
```

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

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

```
        System.out.println ("Enter the parameters.");
```

```
        int a, b, c;
```

```
        a = ss.nextInt();
```

```
        b = ss.nextInt();
```

```
        c = ss.nextInt();
```

```
        double d;
```

```
        d = Math.sqrt (b*b - 4*a*c);
```

```
        if (d > 0)
```

```
        {
```

```
            double r1, r2;
```

```
            r1 = (-b + d) / (2.0 * a);
```

```
            r2 = (-b - d) / (2.0 * a);
```

```
            System.out.println ("The roots are real and distinct  
            and values are " + r1 + " and " + r2);
```

```
        }
```

```
else if (d == 0)
```

```
{
```

```
    double r;
```

```
    r = -b/(2.0*a);
```

```
    System.out.println("The roots are real and equal  
and value is equal to " + r);
```

```
}
```

```
else
```

```
{
```

```
    System.out.println("There is no real solution");
```

```
}
```

```
}
```

```
}
```