

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

```
class Main {
```

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

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

```
        System.out.println ("Enter three integers:");
```

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

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

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

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

```
        double dis;
```

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

```
        if (dis > 0)
```

```
        {
```

```
            double root1, root2;
```

```
            root1 = (-b + dis) / (2.0 * a);
```

```
            root2 = (-b - dis) / (2.0 * a);
```

```
            System.out.println ("The roots are real and distinct and their values  
are "+root1+" and "+root2);
```

```
        }
```

```
        else if (dis == 0)
```

```
        {
```

```
            double root;
```

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

```
            System.out.println ("The roots are real and equal and their values  
equal to "+root);
```

```
        }
```

```
        else
```

```
            System.out.println ("No real solutions.");
```

```
        }
```

```
    }
```