

```
import java.util.Scanner
class QuadraticEquation
{
```

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

```
        Scanner Keyboard = new Scanner (System.in);
        System.out.println("Enter a, b, c of equation  
                            $ax^2 + bx + c = 0$  : ");
```

```
        double a = Keyboard.nextDouble();
```

```
        double b = Keyboard.nextDouble();
```

```
        double c = Keyboard.nextDouble();
```

```
        double delta = b*b - 4.0*a*c;
```

```
        double root 1, root 2;
```

```
        if (delta >= 0)
        {
```

```
            root 1 = (-b - Math.sqrt(delta)) / (2.0*a);
```

```
            root 2 = (-b + Math.sqrt(delta)) / (2.0*a);
```

```
            System.out.println("Two real roots : " + root 1 +  
                               " + root 2);
```

```
        }
```

```
        else
```

```
        {
```

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

```
        }
```

```
    }
```

```
}
```