

```
import java.util.Scanner;  
import java.lang.Math;  
public class Quad
```

```
{
```

```
    System.out.println("Enter the values of a, b & c of a quadratic equation");  
    Scanner sc = new Scanner(System.in);
```

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

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

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

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

```
    double d, x1, x2;
```

```
    d = b * b - 4 * a * c;
```

```
    if (d < 0)
```

```
    {
```

```
        System.out.println("Equation doesn't have any real roots!");
```

```
    }
```

```
    else
```

```
    {
```

```
        x1 = (-b + Math.sqrt(d)) / (2 * a);
```

```
        x2 = (-b - Math.sqrt(d)) / (2 * a);
```

```
        System.out.println("Roots are: | x1 = " + x1 + " | x2 = " + x2);
```

```
    }
```

```
}
```

```
}
```