

```
import java.util.Scanner;
public class Lab3 {
```

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

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

```
        System.out.print ("Input a:");
```

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

```
        System.out.print ("Input b:");
```

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

```
        System.out.print ("Input c:");
```

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

```
        double result = b*b - 4*a*c;
```

```
        if (result > 0) {
```

```
            double r1 = (-b + Math.pow(result, 0.5)) / (2.0*a);
```

```
            double r2 = (-b - Math.pow(result, 0.5)) / (2.0*a);
```

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

```
        } else if (result == 0.0) {
```

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

```
            System.out.println ("The root is " + r1);
```

```
        } else
```

```
        {
            System.out.println ("The equation Ba has no real roots.");
        }
```

```
    }
```

```
}
```

```
}
```