

```

import java.util. *;

//import java.lang.Math;

public class Main
{
    public static void main(String[] args) {

        System.out.println("Enter the values for Co-efficients a,b and c for the expression
ax^2+bx+c :");

        Scanner input = new Scanner(System.in);

        int a = input.nextInt();
        int b = input.nextInt();
        int c = input.nextInt();

        double r1,r2;

        double d = (b*b)-4*a*c;

        if(a==0&&b==0&&c==0){
            System.out.println("Invalid Input Please enter valid Data");
        }

        if(d<0){
            System.out.println("There are no Real Roots existing");
        }
        else if(d==0){
            r1= (-b)/(2*a);
            System.out.println("The roots are equal and the value is equal = "+r1);
        }
        else if(d>0){
            r1= (-b+Math.sqrt(d))/(2*a);

```

```
r2= (-b-Math.sqrt(d))/(2*a);
```

```
System.out.println("This has got two Real and distcint roots and the values are  
="+r1+" and "+r2);
```

```
}
```

```
}
```

```
}
```

```
Enter the values for Co-efficients a,b and c for the expression ax^2+bx+c :
```

```
1
```

```
-1
```

```
2
```

```
There are no Real Roots existing
```

```
Enter the values for Co-efficients a,b and c for the expression ax^2+bx+c :
```

```
1
```

```
-5
```

```
6
```

```
This has got two Real and distcint roots and the values are =3.0 and 2.0
```

```
Enter the values for Co-efficients a,b and c for the expression ax^2+bx+c :
```

```
4
```

```
8
```

```
4
```

```
The roots are equal and the value is equal = -1.0
```