

LAB-1

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

```
class main
```

```
{
```

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

```
    {
```

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

```
        System.out.print("Enter a, b, c of the eqn:");
```

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

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

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

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

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

```
        if (d > 0)
```

```
        {
```

```
            root 1 = (-b + Math.sqrt(d))/(2*a);
```

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

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

```
        }
```

```
        else
```

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

```
        }
```

```
    }
```

```
}
```