

double d1 =  $\frac{(-b) + \text{Math.sqrt}(b*b - 4*a*c)}{2*a}$ ;

double d2 =  $\frac{(-b) - \text{Math.sqrt}(b*b - 4*a*c)}{2*a}$ ;

System.out.println("The roots are : " +  
d1 + " and " + d2);

}

}

Week - 3

Prog 1:

```
import java.util.Scanner;  
import java.lang.Math;  
public class prog1 {  
    public static void main(String args[])  
    {  
        Scanner sc = new Scanner(System.in);  
        System.out.println("Enter the values of  
a, b, c : \n");  
        float a = sc.nextFloat();  
        float b = sc.nextFloat();  
        float c = sc.nextFloat();  
        if  $(b^2 - (4 \times a \times c) > 0)$   
            System.out.println("\n No real  
solutions");  
        else  
            {  
            }
```