

## Week-4

### Quadratic

```
gDimport java.Util.Scanner;  
public class main {  
    public static void main (string args []) {  
        scanner sc = new scanner (system.in);  
        system.out.println('Enter the a,b, c');  
        double a = sc.next Double ();  
        double b = sc.next Double ();  
        double c = sc.nextdouble ();  
        double delta = (b*b) - (4*a*c);  
        double root1, root 2;  
        if (delta >= 0)  
        {  
            root1 = (-b - math.sqrt(delta)) / (2*a);  
            root 2 = (-b + math.sqrt(delta)) / (2*a);  
            system.out.println ("Two real roots are : " + root + " + root(2);  
        }  
        else  
        {  
            system.out.println ("No real roots ");  
        }  
    }  
}
```