→ find the roots of given Quadratic equation values a, b, c.

```
import java.util.Scanner;

public class LAB{
    public static void main(String args[]){
        Scanner sc = new Scanner (System.in);
        int a,b,c;
        double d,s1,s2;
        System.out.println("Enter values of
        a,b,c");
        a= sc.nextInt();
        b= sc.nextInt();
        c= sc.nextInt();
        sc.close();
        d= (double)((b*b) - (4*a*c));
        if(a==0){
            system.out.println("Invalid");
            return;
        }
```

PTO

```
if (d<0){
    System.out.println("No real solutions");
}else if (d==0){
    s1 = (double)((-b+Math.sqrt(d))/(2*a));
    s2 = (double)((-b-Math.sqrt(d))/(2*a));
    System.out.printf("Roots are Real
    and equal: %.4f and %.4f", s1, s2);
}else{
    s1 = (double)((-b+Math.sqrt(d))/(2*a));
    s2 = (double)((-b-Math.sqrt(d))/(2*a));
    System.out.printf("Roots are Real
    and distinct: %.4f and %.4f", s1, s2);
}
}
}
```