OOJ Lab

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```
import java.util.*;

class Roots
{
    public static void main(String args[])
    {
        int a,b,c,d,f=0;
        Scanner scr = new Scanner(System.in);
        System.out.println("\n Enter the values of a,b,c : ");
        a = scr.nextInt();
        b = scr.nextInt();
        c = scr.nextInt();
        d = (b*b) - (4*a*c);
        if (d==0)
        {
            System.out.println("Roots are Real and Equal");
            f=1;
        }
        else if (d>0)
        {
            System.out.println("Roots are real and UnEqual");
            f=2;
        }
        else
        System.out.println("There are no real solutions.");
        if(f==1)
        {
            float r1= (float)(-b + Math.sqrt(d))/(2*a);
            float r2= (float)(-b - Math.sqrt(d))/(2*a);
            System.out.println("roots are : "+r1+" ,"+r2);
        }
    }
}
```