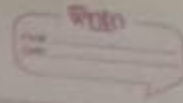


OOJ LAB PROGRAM 1 WRITE UP

1

Lab-program 2



```
① import java.util.Scanner;
import java.lang.Math;
class quadratic {
    public static void main (String ss[])
    {
        int a, b, c;
        double d, root1, root2;
        Scanner sss = new Scanner (System.in);
        System.out.println ("Enter the values 'a', 'b' and
        'c' of the quadratic equation: ");
        a = sss.nextInt();
        b = sss.nextInt();
        c = sss.nextInt();
        System.out.println ("the quadratic equation is
        : "+a+"x2 + "+b+"x + "+c);
        d = b*b - (4*a*c);
        if (d >= 0) {
            root1 = (-b + Math.sqrt(d)) / (2*a);
            root2 = (-b - Math.sqrt(d)) / (2*a);
            System.out.println ("the roots of the qua-
            dratic equation are real");
            System.out.println ("Root 1 = %.nf\n", root1);
            System.out.println ("Root 2 = %.nf", root2);
        }
        else
        {
            System.out.println ("the roots of the quadra-
            tic equation are not real");
        }
    }
}
```