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lab-w(3)

```
class roots {

public static void main(String[] args){

Scanner input = new Scanner(System.in);
double a, b, c, r;
System.out.println("input a:");
  a= input.nextDouble();

System.out.println("input b:");
  b = input.nextDouble();

System.out.println("input c:");
  c = input.nextDouble();

r = b*b - 4.0*a*c;
double x1, x2;
if(r > 0.0)
{ x1 = -b + Math.sqrt(r)/(2*a);

x2 = -b - Math.sqrt(r)/(2*a);
```

```
System.out.println(" roots are :"+x1+" & "+x2);

}

else if(n == 0.0)
    { x1 = x2 = -b / (2*a);

      System.out.println(" roots are equal &
                          are "+x1);

    }

else { System.out.println(" It has no
                          real roots ");}

}

}
```