* LAB-1: Algorithm:

step!: Input the values of a, b and c step2: Calculate using formula

d = (b+b) - (4*a*c)

step3: IF(JKO)

Print: No real solutions

else 14 (d=6)

Brent: Roots au equal

Parint; n=2=(-6/2 *a)

else

Print: Roots au leal

Brint: 1= -5+ 50/(2*a),

Bint: 712 = -6-57 (14a);

Steph: End

```
= * Brogram.
  import java. Wil. *
   Public class quad-2004
   Public states void main (string args[])
   double abilidinini
   System out printer ("Enter the values of a, b
    and (");
    scanner sc= new scanner (system.in);
     a = sc.next Double();
     b = sc-next pouble();
     c=sc-next Double (1;
     d=(6x6)-(4xaxc);
     if (d>0)
     n 1= (-6+ Moth · Sqrt(d)) / (2*a);
      712= (-6-Moth. sgrt(d)) / (240);
      Septem · ocd=Paint In ("noct 1= "+ x1+ "nox12."+72);
       else 17 (d==0)
       n(= n2=-6/(2+a),
```

```
system-oct. prindin ("noot!= nod2="+n1);
else
system-out-print (1 ("There are no real
solutions for given equation ");
```