* LAB-1: Algorithm:

step!: Input the values of a, b and c step2: Calculate using formula d = (b+b) - (Lexa*c)

step3: IF(JLO)

Print: No real solutions else of (d=6)

Brent: Roots au equal

Parint; 71=92=(-6/2*a)

else

Print: Roots au leal

Bunt: 71= -6+ 10/(2*a);

Bint: 712 = -6-52/(24a);

Steph: End

```
* * Brogram.
  import java. Wil. *
   Public class quad -200+3
   Public states void main (string args[])
   double abilid, 71,92)
   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 Duble (1;
     d=(6x6)-(4x0xc);
     O< 6>0
     n 1= (-6+ Moth · Sqrt(d)) / (2*a);
     712= (-16-Moth. sgrt(d)) / (24a);
      Septem oud-Paint In ("noct 1= "+ n1 + "nost2."+nu);
       else # (d= =0)
       n (= n2 = - b/ (2+a),
```

```
598km-out : printer ("noot 1= 2002="+21);
else
System-out-print (1 ("There are no real
solutions for given equation ");
```