	WEEK 3 LAB BOGRAM
	import java. util.scaner;
-	class quad
	}
	hublic Static void main (String Crays)
	double a1, 51, c1, ans 1, ans 2, az;
	Scannel Sc = new Scannel (system·in);
	System out · printly (" Enter the values of a, b, C for
	quad of in the form ax 2+ bxtc)
	System out . printle ("where a' should be non zero").
	a 1 = sc next Double ();
	51 = sc. noxtDouble ();
	(1 = sc. next Dousle ();
	J(a1 ==0)
	system out feintly ("a' schould be non 2010");
	3
	elso
	a2=(61 61)-(4 61).
	if( 0270)
	{
	systen out pintln ("Roots are real and
	Unequal")
	ans1=(-61+ hath.sq1 (a2))/(2+a1).
	Cns1=(-b1=hath.sq2+(a2))/2*a2);
	Systen . Out Minth ("The solution of quad
	equotion ale /. if and
	1- 4 \ n", ag 1, ar 2).
	3



```
ela if az==0)
    system. Out. println ("100ts are real and equal").
    ans 1= ((- bt math squet (a2))/(21 al));
    ans 2=((-6- Math squt (as2))/2 " (1));
    System. Out pith (" The solutions of grad eg are
               1- by and 1/. hy 10", ans 1, ans 2):
system · out · faith ("There are no had looks")
```