Date: / /	
Lab 1	
Good roots	
The High Colors of the State of	
Algorithur-	
Closs quadroots	
poblic static void main ()	
d.	
$a, b, c \rightarrow accept from user.$ $d = b + 4a + a + a + a + a + a + a + a + a + $	
if (d<0) & print ("Discriminant L	0
exit();	
3	
ol = 39xt(d);	
$y_{1} = (b+d)/(2*a)$	
82 = (b-d)/(2*a)	
alsplace (8, and or are roots)	
3 3 ' O	
4	
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The state of the s	
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Purpost java. util .*.	AMERICA CARACTER CARACTER CO.
Suport java, util ,*: import java, long. Math:	
class Quadroots	
<u>d</u>	No. of the second secon
public static void	main ()
Scanner Sn =	new Scauner (Systemin);
voune ab, c,	
Sustem. out pointle	("If on 2 + bx + c = 0 :
is a quadra	the equation enter value:
B (2");	
a = sn. neut Doubl	(1);
Sustem out opriutte	("enter volue of 6");
Ds Su. New Voul	(1) (1) (1) (1) (1) (1)
Quetem, out oppinting	("enter volve of c");
C= su neut Double double d= 6*E	- 4 * 0 * C.
7 (b<0)	Intlu ("The discon winout : on 0");
a sustem surfo	an ()").
Suctain exit	(6):
4 Segon and Jan	
d= Math. egat (c	d);
double o, oz;	
7 = (b+d)/(x	(* a);
7, = (b+d)/(2 7, = (b-d)/(2	*0);
Sustem.out, print/u(" nI + " \ E " + 82 + " Are make
1 1	"n1+"\t"+82+" Are roots the given equation");
1	0 , 100

```
vj2001@VJ:~/ooj-lab$ java quadroots
If ax^2 + bx + c = 0 is a quadratic equation
Then enter the value of a
enter the value of b
enter value of c
The roots of the equation are 2.0and 2.0
vj2001@VJ:~/ooj-lab$ java quadroots
If ax^2 + bx + c = 0 is a quadratic equation
Then enter the value of a
enter the value of b
enter value of c
The Discriminant is negative! Equation has imiginary roots!!
vj2001@VJ:~/ooj-lab$ java quadroots
If ax^2 + bx + c = 0 is a quadratic equation
Then enter the value of a
1
enter the value of b
enter value of c
The roots of the equation are -3.0and -3.0
```