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09 10 20	Java Lab
hall	the state of the s
	Develop a java program that prints all
	real solutions to the quadratic equation
	ax2+bx+c=0. Read in a, b, c 4 use
	the quadratic formula. If discriminate
	b²-hac is negative, display a
	message etarting that are no real sol?
	Algorithm
	Step 1: Toput a, b, c
	Step 2:- D= b*b-4*a*c
	Step 3: If (D>0)
	Print Real Roots
	roots are (-b+sqxt(D) (2+a)
	roots are (-b+sqxt(D) (2*a)) roots are (-b-sqxt(D) (2*a)
	else if (D==0)
	Print rook are equal
	Prook is (-b)/((2*a))
	else

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1100	print Imaginary Rook min min
) tro	Rook are (-5 + 1 sgrt (-D))/(2+a)}
Yerr	1. Proofs an (-b-, isq rt (-D))/(a+a)
1300	
\	St Stepsuis STOP in the side
	stind ()
	Program : " while it is illustrated
	(0×19) 11
	import java util*; importiojava illangiji, kuo. mitali
الم الم	I ? mportio java il langer ituo. Millio
	(F)11/42/D3
<u>.</u>	publici clase quadrationa, milia
Cyx+(d)/	the for all
1 2	private Static double a)?
1000	private static double b;
	privale statie double c;
	public static void read ()
• (, , , ,	le de la companya de
131 16	Scanner Schenner (system. in)
the file.	System: oux in print in (: Enter the Co-Efficient a")!
là.	a = sc. next Double ();

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- m		. 27	

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System. out println ("Enter the co-Efficient 5");	
b = Sc. next Double();	
System out println ("Enter the Co-Efficient C")	10
C = SC . next Double ();	
System out printing l'Enter the Co. Iffront	
3	
public static void colles	
S. C.	
read ();	•
double d= b* b-4 *a *C)	
$-if(\alpha > 0)$	
input java util	
system out print lis ("Roots are Real of	
distinct")	in in
System. out print in ("First root 15"+	
(-b + Math sqrt(d)) (2 ta)),
System out printly ("First noot is" +	
de stando itata de binater carted)/(c	2ta));
3 Maria Shake Shake	
selse l'if (d = = 0)	
{	
Cuctem out print In ("Rook on conal");	
System out print In ("Rook are equal"); System out print In ("Rook are "+ (-b)/kta	1);
y and the second	
a second flower	

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else	
€	
System. out print la ("Rook are imagina System. out print la ("Rook are "+-by/6" "4"+"i"+(m)	vry");
Sucken : out Print 10 (" Rook au" + - W/6	(*a) +
"+"+"i"+(m)	ath. ggit(d)
	(2*a));
Sur les L. print In (" look are " + - b/2	*a)+"-"
System. out. print ly ("loots are "+ -b/2) + "i"+ (Math. sqrt (-a	1)/2001
31	
public static void main (String [] a	rgg)
1	0
calc (1)	
2 The same of the	
7	
	22. 1. 3.5
(4)	