Lab Program

Develop a Java program that points all real sol to the quadratic ax2+bsc +c=0. Read in a,b, c and use the quadratic formula. If the discriminate b? -4ac is -vee display a newsage stating that there are no real solutions.

import java util Scanner; class Quadratic

int a,b,c; double ri, so,d; void getal()

> Scanner s = new Scanner (System in); System out printly "Enter the coefficients of

a = s. next Int();

b= s. next Int(); c= s. next Int();

void compute()

while (a == 0)

System. out. println ("Not a quadratic equation");
System out println ("Enter a non-gero value
for a:");
Scanner (System.in);

Scanner s= new Scanner (System.in); a=s.next Int();

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d=b*b-4*a*c; y(d==0) System out println ("Root are real and equal");

System out println ("Root 1 = Root 2 = "m"); else if (dro) ri = ((-b) + (Math. squt (d))) (double) (2*a);
rs = ((-b) - (Math. squt d))) (double) (2*a);
System.out. printly ("Root, are real and distinct");
System.out. printly ("Root = "trit" Root 2="tri); Belse if (d<0) System. out. println ("Root = "+r 1+3) Class Quadratic Main public static void main (String args/1)

E Quadratic q = new Quadratic ();

	//_
	q. getd(); q. compuli();
	compule ();
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	4
	Harden Janes Harden Janes
	Outout
\	Output Enter the coefficients of a, b, c
`	D
)	2 January Joseph Lating Due Millian
	81
· /- +	Roots are inaginareg real and equal
	Roots 1 = Root 2 = -1.0
· ->	Enter the coefficients of a, b, c
12/2	DD C Kshi B.R
22 14	Root 1 = Root 2 = -1.0