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	LAB 1 Sanghamitra R-1BM22CS237
	A. W. D. A. A. C.
	Develop a java program that prints all
	Develop a java program that prints all real solutions to the quadratic equation
	$ax^2 + bx + c = 0$. Read in a, b, c and use
	the quadratic formula . If the discriminate
	12- Hac is negative, display a message
	stating that there are no real solutions.
	COCNIN DATE
	import java. util Scanner;
The second	class quadratic
	3 16 (abhab) (((b)) 20 M)- (a-1) - cr
100	Tint a box coris atool " altire his motor
	double ri, r2,td3
	void getal)
200000	3 (0)
	Scanner S= new Scanner (System. in);
	Scanner S= newScanner (System. in); System. out. println ("Enter coefficients of a,b,c")
	a = 3. nextInt(); (0.5) (21) = 1.
	b=S. next[nt(); (1) that Mall=sr
No.	C = S. nextInt();
No. of Lot, House, etc., in such such such such such such such such	Godin and printly ["look (=) 4 4 - P - C &
	void compute ()
	3
THE PERSON NAMED IN	$\frac{3}{3}$ while $(a==0)$
	System out printly ("Not a quadratic equation
	System out printly ("Enter a non zero value foe a:");
	System out println ("Not a quadratic equation" System out println ("Enter a non zero valure for a:"); Scanner S = new Scanner (System in);
-	$a = 8 \cdot \text{next Int}();$
-	y (think)
-	2 compule(),
á	

1.1

21=(-b)/(2ta); h System out printlin ("Roots are real and equal")

system out printlin ("Root 1 = Root 2 = "+ +1); 81 = ((-b) + (Math-sqxt(a))) (double) (24a); 82 = ((-b) - (Math.sqxt(a))) / (double) (24a); System. out. printler ("Roots are real & distinct"); System. out. printler ("Root1="+11+"Root2="+12); 3 else if (d<0) System out printle ("Roots are imaginary"); 81= (-b)/(2*a); System. out. println ("Root 1 = " + 1 + " + 72 System out printly ("Root 1="+11+"-1"+ 22); class Quadratichain 2 public static void main (etting age[]) Quadratic q= new Quadratic(); q. get d(); y- compute();

	Date Page
	OUTPUT:
	Enter the coefficients of a, b, c:
	2
	hont
	Root 1 = Root 2 = -1.0
To the	MUVC 1 = ROOT 2 = -1.0
	Enter cophiciants of a last
	Enter coefficients of a,b,c:
	5
	6
	hoots are real and distinct
	Root $1 = -2.0$ Root $2 = -3.0$
	Enter coefficients of a,b,c:
	4
	5
	Root 1 = 0.0 + 1 1.105541 596785 1332
	Root 2 = 0.0 - i 1.1055 415969 85132
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