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	Lab program (1)
	Develop a java program that prints all real Salutions to the quadratic equation $ax^2 + bx + C = 0$. Read in a, b, C and use the quadratic formula. If the discriminal $b^2 - 4ac$ is negative, display a restage stating that there are no real Salutions
Algo.	1) Input a, b, c 2) d = b ² -4ac
	3) if (d=0) print (66 Two equal roots ") 21 = 22 = -6/2a
	4) Else if (d>0)- frint ("Two distinct real
	rumbers roots?) or 1 = (-b + Sqrt (d))/2a.
	$r_2 = (-b - s_{qr}(d))/2a$.
	5) elso print ("6 No real solutions") 6) Exit.
prog.	class quadratic ? fullic static vaid main (String[Jargs] ? double a, b, c, r1 = 0, r2 - 0;
	System out fraint ("Enter coefficients 4,600 c of quadratic equation")
	Scanner in - new Scanner (System in);
•	

a = in next Elott(); b = in next Float (); c = in . next Float (); double d = (6x6) - (4* a* c); System.out-frietln ("Two equal roal roats") 21 = -6/2 * a; else if (d>a) System out. println (66 Two distinct)

real roots?) Jr1 = -6 + Math. sqrt(d)/2*a; 2 = -6 - Math. sqrt(d)/2*a; 3 System and frint (No roal roals);

System - and frintln ("Roats of quadrolic aquation are r(= r + r) + r and $r^2 = r^2$);

Page SPLASH
 Experted Output:
Enter coefficient a, b and c of quadration
Ivo equal real roots
Roots of quadratic equation are r_= - Loand r2 = - 1.0
- L.oand r2 = -1.0
Enter coefficient a, 6 and c of quadrate equation and 2.
Two distinct real roots.
Roots of quadratic equation are ry= 2.585 and rz = 5.416
Enter coefficient a, band of quadratic
No real roots.

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