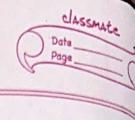


## Lab -1

Develop a java program that prints all red solutions to the quadratic equation an2+bac+c=0. Bead in a, b, c and use the quadratic formula. If the discriminate b²-tac is negative, display a message stating that there are no real solutions

import java util scanner; class Quadratic [ public static void main (String ags []) { Scanner Scanner ( System in); inta, b, c; doubled, YI, Y2; day System out printly ("Enter the values of a, b, c of the quadratic equation ax2 + bx+c20 1); azsc. next int () b= sc. nextint() croc. nextInt() if (Q220) System.out. println ('Invalid entry of the value of la1"); (d 2 (b\*b) -4\*a\*c; if (250) System. out. println ("No real solutions exists!"); else if (0>0) { x1= (-b+Math. sqrt (d))/(2\*a); 122(-b-Math. sqrt (d))/(2\*a); System.out.println ("Root 1= "+1+"Root2="+12); , ke [r1=-6/(2\*a);

System. out. print In ("Boot 1 = Root 2 = "+x1); 333



Output Enter the values of a, b, c of the equation and + bate The georatrolic formula. If the discriminator Waters! active display a message stating that there are no Invalid entry for the value of a. Enter the values of a, b, c of the equation and +bate public static void main (string assell) Scanner Sc. new Scanner (Susternin): No real solution exists! : Sy ly boldoob; od o dai System out printly ("Potes the values Enter the values of a, b, c of the equation an2+br+c Root1 = 14.0 Boot 2 = -2.00 your biloval ) adding sun and 248 Enter the values of a, b, c of the equation ax2+batc 4" 2 200 200 Holos law of " ) attning . Jos. modul Root 1 2 Root 2 = -2.0 ((6) 1/2 NOM + d-) = 1/2 12=(-b-Moth world)/(0x0). Sustain out Diolin ( "Reat 1 + 1+ + " Pools - + + 1

System out print by ("Boots Root 2 " 171); )