```
LAB Plogram I
22/12/23
 Q - Develop a Java plagfam that plints all real solutions to
    the quadractic Iquation ax2 + bx + c=0.
    Read a b,c and use the quadratic formula. If the
    discriminate 62-40c is negative display a melsage
    Stating that there are no real solutions.
Code :-
    import jana util . Scanner;
 class quadratic 1
         int a,b,c;
         double Al, AZ, d;
         Void getal) {
                Scanner S = new Scanner (System. in);
                 System. Out. prints (" Enter the coefficients ( a, b, c");
                 a = S. nextInt();
                b= S. nextlnt ();
                 C = S. rext Int ();
         3
         void compute 13 2
                                      Agam Theese, 16m22 (5023
                while ( a == 0) of
                   System. out. printer [" Not a quadratic equation");
                      System. out. printh (" Enter a non zero value fora:");
                      Scanner s = new Scanner (System.in):
                      a = s. nextintuines and dell are disal
               d=b*b-4*a*c; -= 6 1009, 9110 821110-= 12301
                if (d==0) C
                                       Agentinosi, 16M22 CSOL3
                     91 = (-b)(2+a);
                     System. out. printen ("Roots ale seal and gual");
                     System. Out. plinth ("Root = Root 2 = " + SI);
               3
               else if (d>0) {
                      21 = ((-b) + (math. 2grt (d)) / (double) (2+a);
                      22= (1-b) - (math. &gxt(d)) (double) (2+a):
                      System. out. plinten (" Poots are leal and
                                             distinct");
                      System. out. println["Root1="+ &1 +
                                            "Poct 2=" + 22);
```

3 cosb) fisse System. det. plintln ("Those are no leal 2 . 0 = 5 + sid + 500 milespl. Since toug all the go, and astabases settle see how adjo but Class chuadrations Public Static void main (String alog []) & Quadratic q = nem Quadratic (); 2. geta [): in fect java, expe. Scanners: 2. Compute ()3 System. Out. printer l'Agam Turali", 16M22CSO23"); · Thistill Delar Output :w > Claton biov 1) Enter the coefficient of quadratic egn a, b, and c : 0+1170H:2 = 5 de Sincortate (). Poots are real and equal Poot = Poot 2 = 1.0 Agam Tilueti, 1BM22CS023 DE Enter the Coefficient of quadratic egn of b, c (" 2) side o some a state lating . sia, well chimbles) souscos apr = 2 samuel foots are seal and distinct Poot = -0.41886119, Root 2 = -3.58113883 Agam Timori, 1BM22CS023 Entel the coefficients: 3 (0< b) \$ 020e No real 20018 ((1) tops to 4) + (4) = 12 Agam Timali, 16M22 (5023) - (4-1) = 32 + 12 +" = 1209" Justinieg . Les . metzel