LAB PROGRAM 1 Develop a java program that prints all real volutions to the quadratic equation as the quadratic equation as the quadratic forenula. If the discriminate is program and use the negative, display a message stating that there are no real solutions. import java util Scanner; class quadratic & int a, b, a; double r1, r2, d; void getd() < Scanner s = new Scanner (System.in); System out print Inl" Enter the coefficients of april a = s. next Int (); b = s. next Int (); c = s. next Int 11: void compute () & while (a = = 0) & System. out. print In (" Not a guad ratic equation System. out print In ("Enter al non zero value for Scanner s= new Scanner (systemin) n= sner+In+ (); d= b\* b- 4\* a\* c; if (d==0) d System out printin ("Roots are real and que System out- print In ("Root 1 = Root 2 = "+r

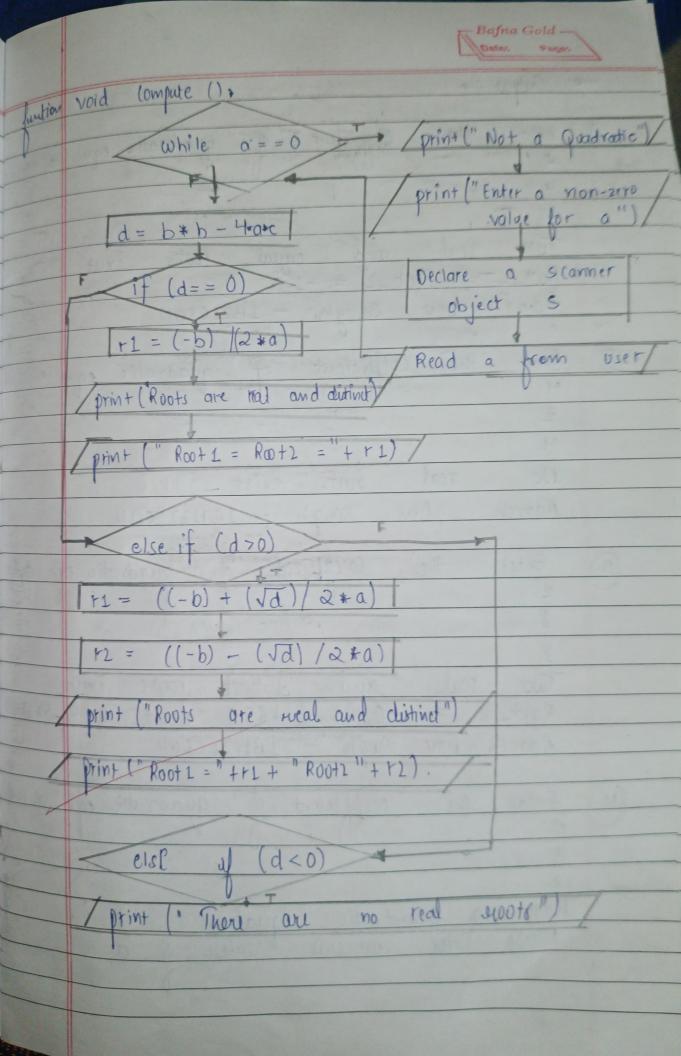
e it ((-b) + (Math. Ngrt (d)))/ (double) (2\*a); 12 = ((-b) - (Math. sgrt (d)) / (double) (2\*a); System out print In ("Root are real & distind";

System out print In ("Root 1 = "+r1 + "Root 2 = "+r2;" else if (d<0) &

System.out.println("There over no real solutions"); class Quadratic Main &

public static void main (String[] arget & Quadratic g = new Quadratic ();
q. getd(); Jystem. out. println ("Adarsh Dev Singh - 1BH22C5011")

: (Main) (Start) Dedare quadratic object as q (Run 9-get d () function (method) Run q. compute () method (computel) Print ("Adarch Dev Singh- 18422 (SOII") STOP class quadratic Declare int a, b, c & double r1, r2, d Void getd () void Compute () Juntion void get d () -Declare scanner object s Print l' Enter the coefficient of quadratic a, 680 a , b and c from user / Read



29/12/20 - Output :> Exter the coefficient of quadratic equipos Two real and equal roots exist  $Root_1 = Root_2 = -1.0$ Adarsh Dev Singh - 1822 CSOII Enter the Coefficient of quadratic equal de 4 2 4 No real roots exist Adarsh Dev Singh - 1BM22(5011 Enter the coefficient of quadratic equal and c Two real and distinct roots exist Root\_1 = -0.4188611699 Root\_2 = -3.58113283 Adarsh Dev Singh - 1BM22CSOU coefficient of quadratic equaponte Enteral the Not a Quadratic Equation Please Enter nonzero Value