12/11/83 Quadratic Eguation import javea, util, scanner; class Duadratia Not a, b, C; double su, ra, d; yord getd () Scancer & reme Scanner (System in); System out point la l'Earter the coepperante of a, b, c'); a - 5, next 2rt (); b- 5. nest 2nd (): (- S. Mext Int (): void 7 ompute() while (a==a) System out product "Not a quadrate queling system out point in l'Eenter a non zero value box a: "); Scanner s= new Scanner (Syttem. in); a = S. neset Int W: d-b*b-4'a'c; f (d==0) System out. print la l'Route are real and equal"); System. Out. pointly ("Roset 1-Rest & = "+ 21)

Bafna Gold else if (d) of 81 = ((-b) + (Moth, get 1d)) / (double) (2) 88= ((-b) - (Math, squt (d))) (clauble) (2 ta) System and produce ("Book are not and distinct System went, porte (Rept 1 - "+ 21 + "Root 8 - " else if (dco) System, out . porte la ("Roste are maginary" 21 = (-b) 1 (2 °a); 22 - Math squt (-d)1 (2"a): System. out . print en ("Root 1 = "+ &1+"+;"+ System , cent . print do ("Rept 1 - "+ x 1 +" - ; "+ + 2 class Quadrati Mais Public statie void mais (Stoing aug []) Quadratie ? - New Duadratie (); 2. get d (); 2. (empute ();

Output i) lenter the coefficients of a.b. (: Root ove seal and distinct ii) Enter the coefficients of a.b. Not a quadrati equation Renten a non zero value of a (iii) Renter the coefficient of a.b. Roots are real and Equal
Root 1 - Rot 0 = -1 (iv) Easter the roefficient of a. b. (Roots are imaginary Bool 1 = 0,0+10,382875 Prost 8 = 0.0 - 10,399875