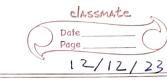
Date 12/12/23 Quadratic Equiation program import jana util Scanner; class guadratic unt a, b, C double on1, 92, d; uoid get d() Scanner & - neu Scanner (System. in); System out planten ("Enter the welficient of a, b, s 12); a = s. next ln (); b = do nesetln(); c= & next (n ()) noid compute () ushile (a == 0) System out brintle ("Not a guadratic equation") System. out. println ("Enter a non zero nalue for a: "1; a: & · nent Int (), d: 6 = 6 - 4 & a & C; if (d: =0) dystem out printly ("Roots are real and egymal"); dystern. out. println ("Root Lz Root 2="19"



12/12/23 else if (d>0) 91: ((-b) + (math. egert (d))) (double) (2*a); 92 = ((-b)-(Math. Lgist (d)))/(Jouble) (2*a); System. out frintly ("Roots are real and distincts; dystem. out. pountln ("Root:"+ 21, "Rootz="+9iz); close if (dzo) dystem out printtin ("hoots are imaginary"); 21 = (-6)/(2 xa); In _ (Aath . Squet (-d) / (20ka); System. out - println ("Root 1 ="+ 21 +"+1"+ 22); System out. pointly ("Root & "++1"+2); class & undratic Main public static word main (String args []) Quadratic 9 = new Quadratic (); V-getaU; V- compute () OUTPUT: Enter Coefficients of a, b, c 4,5,6 asoks are imaginary

Root 1 = 0.0+10.58268 7216 470449 Root2 = 0.0=10.532687216 & 70449

