Pankaj Gupta Lab-I 1BM19CS110 Batch-1 Algorithm Input the value of a,b,L etep:1 (alculate # = 6x6-4xa* c eter 2. If (deo) Dieplay "No Real ealidione eteps! che if (d=0) dieplay "Roote are real & equal" and calculate the roote 31=32=(-1/2*a)elec if (d>0) display "hoots are real & distinct" and calculate the roote 5, = -6 \$ 184-4ac 2=-6- 586-48C etep:4: Print ni and ne End algorithm. eter5 : Program 1 1* call there file as Acote: java*/ import java util. *; clase Roote L public etatic void main (String ange []) { double a, b, c,d, si, se; Scarner in = new Scarner (System. in); System : out. paintle ("Enter the co-efficients of 12, k and constant ferm"); a = in next Double (); b = in next Double (1) (= in. next Double (); d= b*b-4*a*c; if (d 20)2 si = (-b+Math.soy nd(d))/2 xa, 12 = (-b-Math. egrat(d)/200_

Systemout. println ("Roots are real and distinct") Systerout. printle ("Roots are "+ 21 +" and "+22); elee if (d == 0) { n= n2 = -b/2*a; System out. paintle ("Roote are real and equal"); System. out. paintle ("Roote are "+11+" and "+12); elee if (d20) { Rystem. out. print In ("There are no real edutions"); Out put,

Enter the co-efficiente of x2, x and constant term.

1
-6
5
Roote are real and dietinct.

Roote one 5.0 and 1.0