Week-3	IBMI9CS143
LAB-1	Sannidni K.
This is 4 and	Leunidla
00 37AU	Date: 30.09.20
Andride Accidence to	03-12 pasternater 1
Java hogram to find the padratic equation by the u	roots of the given
padratic equation by the u	wer.
import yava. util. *;	I must stovie
dals addiatic Equation ?	LONAR MANAGE
public static void main (: France in = New Stanner	String augs [7) {
Ganner in = New Stanner	2 (Septem in);
unt a, b, c, det;	the stouck
System. out. printen ("Enter	the values of a, b and c:"
a = in. houtsut();	Dis Antic
b=in, nent Int();	F DI JONAGE
c= in, nontfint();	Delwist Liev
det = b*b-4*a*c;	7
double 71, 92;	9 tuo motios
4 (det 70) 9	(tyrobulk sate)
or = (-b+ Math, sgrt (d	et))/(2*a);
012 = (-b- Math. sgrt(d	et)) (2*a);
Gross out original Lukop	+ 1 1" + 71 +" \n Root 2:"
$\pm \lambda 2$;	BR = INNET
3 i la san mine) astriu	System out or
else if (det ==0) {	DETWON 20 UN
rl= -b (2*a);	1 AJANA DA
System out . printlu (" Both	the roots are same
land equal to ; "+r1);	and dare motors
3	Andrew sto
dre if det (0) ?	0=011015
alse if (det <0)? System. out. println ("Real	roots do not evist");
alse ? System. out, printly (" &	what it aut I "

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Algorithm .
2. Mouble a, b, c, roots, root 2, det
3. input a, b, c.
4. det = b*b-4*a*co
5. if (det > 0)
    root 1 = (-b + 5b*b-4*a*c)*/2 *a)
     host 2 = (-b - Jb + b-AN axc) / (xa)
     print most 1, nost 2
  une if (dot== 0)
hoot 1 = -b/2*a)
     plant root 1.
 the if (det <0)
 print "Real Roots do not enist",
else
print "Invalid Suprit",
End.
  Sample Output.
      Enter the values of a, b, e and c ?
      Root 1: - 0.219 22 359
      Root 2: -2. 280776406
```