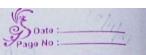
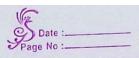
Develop a Java program that prints all real solutions to the quadratic equation ax2+bx+c=0. Read in a, b, c and use the quadratic formula. If the discriminant b2-4ac is negative, display a message stating that there are no real solutions.

18/11/	Date:
(01	Develop a Javan program that prints all real solutions to the quadratic equation and the end real Read in a, b, c and use the quadratic formula. If the discriminate b2-uae is negative display a muscage stating that there are no real solutions.
	import java. util. Scanner 9 ()
Y +	E public statie void main (string args[1)
	double d, r, r1, r2:
441	Scanner ss = new Scanner (system. (in); System. out. println ("Enter the value of a, b and c:"); a = ss. nextDouble();
	b = ss. nentDouble(); c = ss. nentDouble(); if (a = =0)
	System out println ("It is not a quadratic equation.");
7 (else E hand to la subvent set ? d = 6 × b - (u × a × d); > >
	d = b + b - (u - a + c) $d = b + b - (u - a + c)$ $d = b + b - (u -$



	Page No:
	r=(-b)/(2*a);
- NO. 1	System. out. println ("The roots are
	real and equal. The root is +ry
	The thousand the time of the property of the p
Section is	else if (d>0)
	1 27 12 12 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1
	71 = (-b+ Math. pow(d, 0.5))/(2*a).
	72= (-6 Math. pow (d, 0.5)) (2xa);
	System.out.println ("The roots are
	real and distinct. The roots are "+ YI+
	" and "+72);
	che $\{ \gamma = ((b)/(2 \times a)); $
	clse {
	72 = (-b+Math: pow(Math: abs(d), 0.1))/(2+a);
	System.out.printin ("The roots are
	maginary The roots are "+ 8 +
the de	"+" + " and "++ "x2"+";
	2 DATATION OF 23 TO
	3 (Distribusion 12 of
	out put
41,	
eki	Enter the values of a, b and c:
	1 -4 4 noneup
	The roots are real and equal. The root is 2.0
ex2	Enter the values of a, b, and c:
	5 6 (0)
	The roots are real and distinct. The roots are
,	-2.0 and -3.0



		Page No :
	(23	Enter the value of a, b, and c:
_		1
_		The 700ts are imaginary. The 700ts are -0.5+0.3660254037844386; and -0.5-1.3660254037844386;
_	-	
_	124	Enter the value of a, b, and c:
_		0 1 2
		The It is not a quadratic equation.
		retul2
		28/ u/2
1		
_		
-		
-		
1		

Output:

```
Command Prompt
Microsoft Windows [Version 10.0.19043.2130]
(c) Microsoft Corporation. All rights reserved.
C:\Users\Hp>E:
E:\>cd E:\Desktop\1BM21CS045
E:\Desktop\1BM21CS045>javac Lab1_java.java
E:\Desktop\1BM21CS045>java quadeqn
Enter the value of a,b and c:
1 -4 4
The roots are real and equal. The root is 2.0
E:\Desktop\1BM21CS045>java quadeqn
Enter the value of a,b and c:
The roots are real and distinct. The roots are -2.0 and -3.0
E:\Desktop\1BM21CS045>java quadeqn
Enter the value of a,b and c:
1 1 1
The roots are imaginary. The roots are -0.5+0.3660254037844386i and -0.5-1.3660254037844386i
E:\Desktop\1BM21CS045>java quadeqn
Enter the value of a,b and c:
0 1 2
It is not a quadratic equation.
E:\Desktop\1BM21CS045>
```