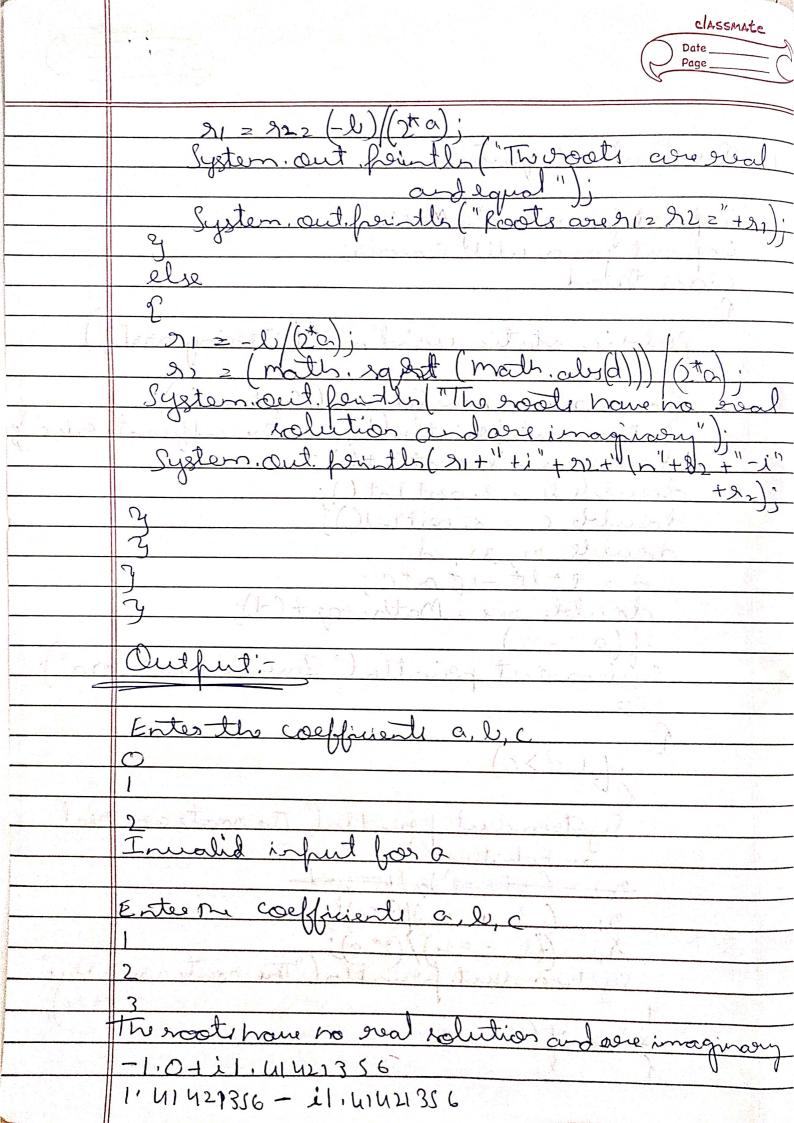
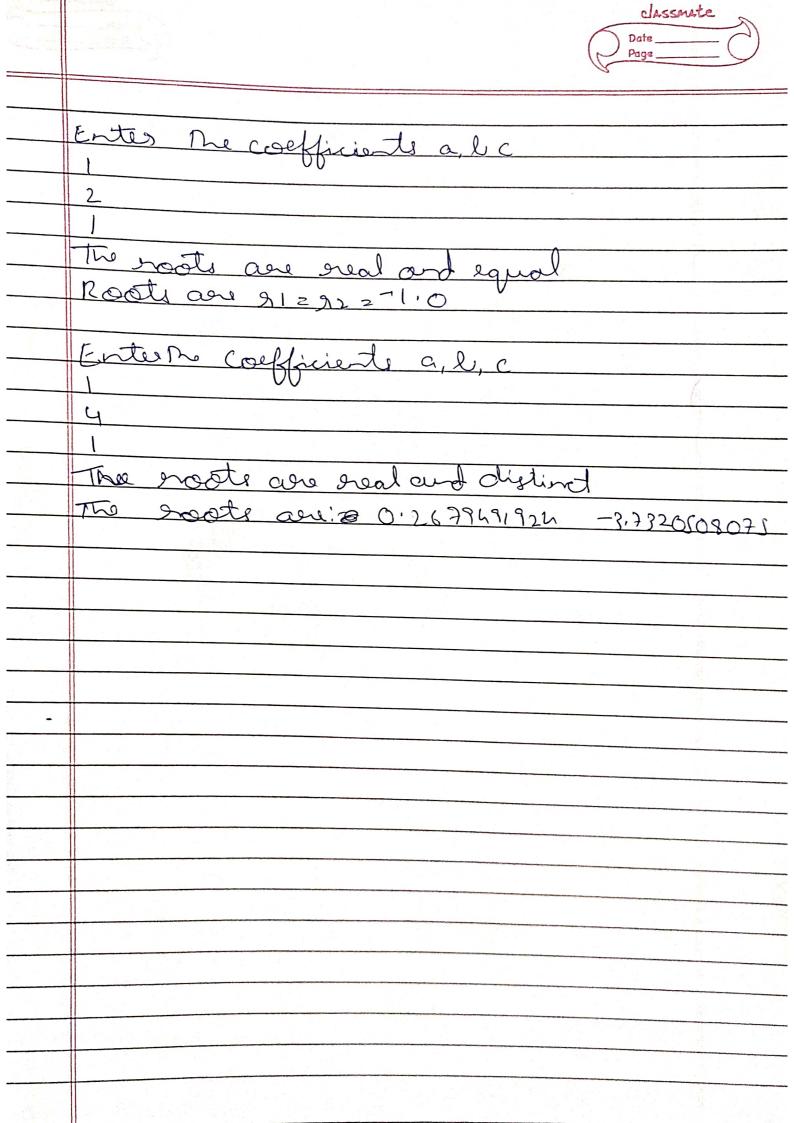
	DEVELOP A JAVA PROGRAM THAT PRINTS ALL REAL SOLUTIONS TO THE QUADRATIC EQUATION
	ax^2+bx+c=0.READ IN a, b, c AND USE THE QUADRATIC FORMULA. IF THE
	DISCRIMINATE b^2-4ac IS NEGATIVE, DISPLAY A MESSAGE STATING THAT THERE ARE NO REAL SOLUTIONS
	Town Company of the Market Company of the Ma
(1)	Quadratic Equations
	1 houne from
	infort jour lang. Math;
	infort java util Scarler;
	Class duad
	C
	Rublic static word main Storing ars[]
	17 of 1/1/6/2 alson) fans 22 hill
	Scarrer & 2 ren (carrer (System. in):
	System. Out. Sountly ("Enter my coefficients a, b, c")
	double a = 8 nert Int ();
	double le 2 s. next Int ().
	double (= 8, next Ind();
型	double zi 22 di
	d 2 l*l* - L* 0 * C;
	double res: Math. rant (d):
	id(0==0)
	System. out. frintln (" Invalid input for a");
	else
	The Control of the Man and the stage of
	i1 (d>0)
	A D
	System. Out. Seintly ("The roots are real
	and distinct");
	212 Colo + Math, mot
	912 (-l + seg) (2 * a)
-	9, 2(4b - ser)/(2* a);
	System. Out. Printle ("The root are; +71+"
	4 92)
_	else il (d2=0)
	C V





```
C:\Users\nbrij>cd C:\Engg\3rd sem\JAVA lab>javac quad.java

C:\Engg\3rd sem\JAVA lab>javac quad.java

C:\Engg\3rd sem\JAVA lab>java Quad

Enter the coefficients a,b,c

0

1

2

Invalid input for a

C:\Engg\3rd sem\JAVA lab>java Quad

Enter the coefficients a,b,c

1

2

3

The roots have no real solution and are imaginary
-1.0+i1.4142135623730951

1.4142135623730951-i1.4142135623730951

C:\Engg\3rd sem\JAVA lab>java Quad

Enter the coefficients a,b,c

1

2

1

The roots are real and equal

Roots are r1=r2=-1.0

C:\Engg\3rd sem\JAVA lab>java Quad

Enter the coefficients a,b,c

1

1

The roots are real and distinct
The roots are real and distinct
The roots are:-0.2679491924311228

-3.732050807568877

C:\Engg\3rd sem\JAVA lab>_

-3.732050807568877
```

Command Prompt