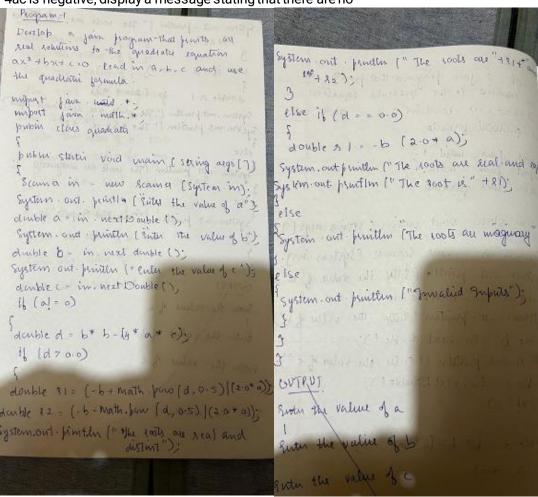
LAB PROGRAM-1

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 discriminate b2

-4ac is negative, display a message stating that there are no



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Microsoft Windows [Version 10.0.22000.978]
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C:\Users\Avani>cd C:\Users\Avani\Desktop\quadratic equation

C:\Users\Avani\Desktop\quadratic equation>javac quad.java

C:\Users\Avani\Desktop\quadratic equation>java quad.java

Enter the value of a,b and c:
1 2 1

The roots are real and equal. The root is -1.0

C:\Users\Avani\Desktop\quadratic equation>java quad.java

Enter the value of a,b and c:
1 2 3

The roots are imaginary. The roots are -1.0+0.41421356237309515i and -1.0-2.414213562373095i

C:\Users\Avani\Desktop\quadratic equation>java quad.java

Enter the value of a,b and c:
1 50 50

The roots are real and distinct. The roots are -1.0208423834364027 and -48.9791576165636

C:\Users\Avani\Desktop\quadratic equation>
```