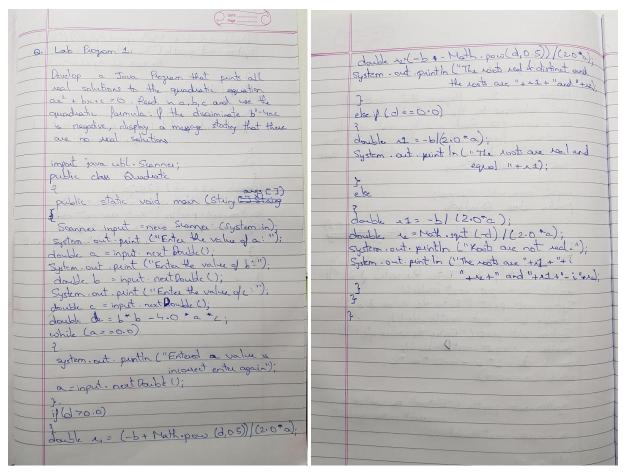
Lab Program 1:

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 discriminant b2-4ac is negative, display a message stating that there are no real solutions.

Code:



Output:

```
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                                    Administrator: Command Prompt
C:Y.
operable program or batch file.
C:\Users\BMSCECSEIL74>cd C:\Users\BMSCECSEIL74\Desktop\1BM21CS002
C:\Users\BMSCECSEIL74\Desktop\1BM21CS002>javac Quadratic.java
C:\Users\BMSCECSEIL74\Desktop\1BM21CS002>java Quadratic
Enter the value of a: 0
Enter the value of b: 3
Enter the value of c: 4
Entered a value is incorrect enter again
The roots are 0.0 and -0.75
C:\Users\BMSCECSEIL74\Desktop\1BM21CS002>java Quadratic
Enter the value of a: 1
Enter the value of b: 2
Enter the value of c: 16
Roots are not real.
The Roots are -1.0 + i3.872983346207417 and -1.0 - i3.872983346207417
C:\Users\BMSCECSEIL74\Desktop\1BM21CS002>java Quadratic java Quadratic
Enter the value of a: 1
Enter the value of b: 5
Enter the value of c: 2
The roots are -0.4384471871911697 and -4.561552812808831
C:\Users\BMSCECSEIL74\Desktop\1BM21CS002>java Quadratic
Enter the value of a: 1
Enter the value of b: 2
Enter the value of c: 1
The root is -1.0
C:\Users\BMSCECSEIL74\Desktop\1BM21CS002>
```