Computer Science 201 Exam

For your best chance at success on this exam, read the directions for all ***three sections*** carefully.

This is an individual assignment and you should not work with others in the class or outside of the class on the below problems. You may look back at the videos and past assignments in the class.

Part 1 - New Coding

Due Monday, March 1st at 2:30PM

Open repl.it and fork the template called Midterm 1 in COSC 201.01 (Ariel) and complete the three methods found in the Main.java file. You may create additional testing methods if you wish but it is not required. Methods:

1. O(1) - Write a method that fills in a 2D array with values in constant time.

2. O(5n) - Write a method that fills in a 2D array with values in linear time. (Extra point if it is specifically a O(5n) algorithm).

3. O(n^2) - Write a method that fills in a 2D array with values in polynomial time.

Part 2 - Lab Revisions

Due Thursday, March 4th at 11:50PM

In repl.it I have annotated the code you submitted for labs 0, 1, and 2. Go back and read those comments and then choose one of the following options.

Option 1		Option 2
Redo Labs on which you received a grade of 8/10 or lower for up to 90 percent credit, following the corrections I made in repl.it	OR	Do nothing and keep the grades you have

Part 3 - Questions

<u>Monday</u>: Meet with Ariel individually during class to answer questions about Part 1.

<u>Wednesday</u>: Meet with Ariel individually to *either*:

- Answer questions about your labs (Note: even if you chose to do nothing for Part 2 you still have to answer these questions)

- Ask questions you have about the labs you are redoing. If you choose this option you must sign up for a time outside of class to meet with me Thursday or Friday to answer my questions about the labs.

Good Luck!