Fundamentals of Programming
Study Guide
Competency Demo #3

This Competency Demo will be unlike the previous ones as it is not an "exam" on Blackboard. Instead, it is a timed demonstration of your ability to program using an IDE, Autolab, and one page of notes.

As the start of the competency demo you will be given two problem specifications for functions that you will need to write. They will be very similar in *format* to the paired programming and graded programming problems you have completed over the last 4-5 weeks. [Although both will be functions, not scripts as you did in the first part of the unit]

You will have 50 minutes to write these two functions and submit them to Autolab.

You may submit to Autolab multiple times. If you receive a 0 on one of the submissions, click on the zero, read the error message carefully, attempt to fix the problem, and then try again! Your last submitted program will be the one that I grade.

These two programs will be viewed by me and converted to a 1-4 competency score. So even if you know you have a function that isn't 100% correct, make sure that you submit the program to Autolab so I can view it and assess your learning. It is possible, under certain circumstances, to have a score of 3 even if one or both of your functions are a zero on Autolab.

You are allowed to bring in one page (both sides) of "notes" that will help you write your code. This can include actual notes to yourself and/or samples of code you have written during Unit 2.

You ARE allowed:

- Your page of notes
- Thonny, IDLE, or Replit purely as an editor.
- A web browser so you can submit to Autolab.
  - Do NOT forget your username/password credentials.

You are NOT allowed:

- Any websites other than Autolab (or maybe Replit).
  - All other websites, including my website, your textbook, and ChatGPT or some other Coding tool, are off limits.
- Code you have written during Unit 2 from the computer.
  - This should be on your page of notes.