

CLA assignments based on textbook problems:

Follow this general outline for Closed Lab Assignments that ask you to program a textbook question.

Outline:

1. Determine exactly what textbook question you are to solve. You will need to ascertain what textbook **Chapter** and **Programming Exercise** number you are to work on. If in doubt, ask the lab assistant what page of the textbook the exercise is on.
2. Find out what the **source file** should be named. This is probably given on the calendar page. Usually it will be of the form **chNxP**. For example, if doing Chapter 4's Programming Exercise 12, the source file name should be **ch4x12.py**. If in doubt (you guessed it!), ask the lab assistant.
3. Log into **ranger2**
4. Make sure you do all your work and store all your files in your CLA directory (**cd ~/CLA**).
5. At the **ranger2\$** prompt enter **idle3 &**
6. In the *idle* shell window click on **File -> New File**
7. This new window is the *idle* scripting (editor) window, this is where you will type the program.
8. Type in the following comments at the top of the program:

```
# CLAxx BY author name, CSCI 1170-sec, Lab Assistant's Name
# PROGRAM ID: chNxP.py / One liner description
# REMARKS: This program ... a short (perhaps several sentences)
# description.
```

9. Now save this file to your CLA directory and call it **chNxP.py** (See item #2)
10. Create a program that solves the programming exercise description. Run your program several times as you work so that you will discover any syntax errors right away. If the description provides an output sample, make sure your program's output matches the sample exactly.
11. Once your program is finished, create a script log file for grading purposes. Go to the **ranger\$** prompt and do each of these commands one at a time. Be sure the correct information does display on the screen (we need to be able to see your program code and your output)

```
script chNxP.log
cat -n chNxP.py
python3 chNxP.py
    ... if the program requires input, enter it here . . .
exit
```

12. Now submit your script log file for grading by entering: **handin chNxP chNxP.log**