

AU24 Critique Homework

If you have an extended deadline for lab 2, do not do this homework until you have turned in your lab 2!

I'd much rather give you an extended deadline for the homework than write up a CoAM case.

Unzip the lab2 zipfile "l2.5ref.zip" into a new directory created for this homework. Build lab 2 and run it, being sure to look at the output. Read the rest of this document and write up a critique of the code. Submit the text of that critique to Carmen as a PDF file.

Copyright notes: You are allowed to use this code, with limits. Any file that you use must maintain the copyright notice already there. Edits you make to that file should be marked with comments that include your name. If you want to use part of a file in your code, copy the function and mark it with the original author's name.

- 1. If you fail to attribute copied code to the original author, that is misrepresentation of the work and that is a CoAM offense.**
- 2. You may not distribute any of this code. That is copyright violation and will be considered misconduct (unless CoAM says otherwise).**

Critique **each** .c file. You may also include commentary about the headers or the makefile.

For each .c file:

1. Comment on any parts of the code that in your opinion don't fully meet up to the standard required by the class coding standards. Comment on parts that don't meet coding standards from previous classes and weight the benefits and costs of the alternatives. Comment on anything would cause a deduction if turned in to be graded according to the lab write up and grading rubric.
2. Comment on any code that is needlessly complex
3. Comment on any code that taught you something or explained an area you had trouble with
4. Comment on any extras in the code that you found that went beyond the requirements of the lab
5. Comment on any code that you would re-organize or improve in some way

For the code as a whole:

1. Did you find it well organized into various files?
2. Any other global comments or comments about the headers or the makefile?

Your commentary should be in complete sentences, although you can paste in snippets of code. Your text should attempt to talk me into your point of view. It may be that in some files you don't have much to say, but do not be completely silent. A superficial treatment

will not get full marks. Whilst this code is fully functional, it is intentionally not perfect and not fully polished. This homework ought to take some time and it requires careful thought. Taking two or three hours is not out of the question.

Work by yourself first before consulting with others. **Your submission must be in your own words. Copying another student's words is misconduct on this assignment.** It is a good idea to consult with others to see what they found, but you should go into the code and see for yourself and write it up in your own words as you see it. On Friday we will have in-class time in breakout rooms to discuss your findings with your classmates.

When you are done, you should be able to use this code as a basis for future labs, so time spent here may be an investment in your future.

A good showing here is very likely to boost your grade. The homework category counts as much as the labs or in-class categories, making this one third of your grade until the midterm comes in.