Contents

Version 0

Dates

Early by Friday 17-Feb-2023

On time by Sunday 19-Feb-2023

Late Cutoff is Monday 20-Feb-2023

Documents

This lab is written up as a set of document so that you can have multiple sections open as multiple tabs on your browser.

No Global Variables! Code Must Compile!

Global variables is a -10 penalty. Errors or warnings in compilation means no credit for the lab, though you might get 2 points if your prototypes are there and compile cleanly.

Zip files and makefiles

Your makefile rules that build your zip file need to self-test the lab (build the lab) or the lab is **late** regardless of when it was turned in. The same set of rules that build your zip file and self-test the lab must also self-test any prototypes that you want graded. Also be sure to comment the makefile indicating what prototypes are to be graded. If a prototype no longer builds because your code base has evolved, do not self-test those and comment the targets that they are not to be graded.

Your zipfiles will need to include the two .a files (linkedlist and libpb) so that the lab will build. Don't forget n2.o as well.

Consider this fragment of a makefile that should be familiar to you:

```
#self-test what I want graded
make -C install -r lab3
make -C install -r p2
make -C install -r p4
make -C install -r p5
make -C install -r p6
```

The above lines are an example. My prototypes are named p1 to p6 but p1 and p3 no longer build so they are not listed. Since I still have 4 prototypes that build, I'm in good shape.

Submission

Effectively: Same as lab 1 & 2. Your zip file needs to contain README_LAB3, **all** the code to be graded, and a makefile sufficient to build all of the targets that are to be graded. **Those targets include lab3** and at least 4 working prototypes. Do not include any .o files or the lab3 executable. Any file you edited by hand (other than test data) probably needs to be included. Aside from header files, files generated by the compiler should not be included.

All files that you edit by hand must have your name in them.

README_LAB3 text:

THIS IS THE README FILE FOR LAB 3

BY SUBMITTING THIS FILE TO CARMEN, I CERTIFY THAT I HAVE PERFORMED ALL OF THE WORK TO DETERMINE THE ANSWERS FOUND WITHIN THIS FILE MYSELF WITH NO ASSISTANCE FROM ANY PERSON OTHER THAN THE INSTRUCTOR OF THIS COURSE OR ONE OF OUR UNDERGRADUATE GRADERS.

The readme should contain your **name**, the number of **hours** you worked on the lab, and any comments you want to add. Of particular interest are what was hard or easy about the lab or places where programming reinforced what we went over in class.