Laboratory Exercise 1

cpe 357 Fall 2023

Due by 11:59pm, Wednesday, October 4th.

Laboratory Exercises

1. Log on to a unix machine (most likely one of unix1–5).

2. Read a man page on something (how about `man(1)` or since it might turn out to be useful to you, or `intro(1)`, for an introduction to section 1 of the manual).

3. Use either vi or emacs to write a C program. (Hello World is fine.)

   If you are unfamiliar with either editor, see the class page for some help sheets. Also, each editor has a tutorial:

   Emacs: To run the tutorial, start `emacs`, then type "ESC-x help-with-tutorial"

   Vi: Traditional vi doesn't have a tutorial, but vim (Vi IMproved) does. To run it, run the program `vimtutor(1)`.

4. Compile it and run it.

What to turn in

Submit via `handin` in the CSL to the `Lab01` directory of the `pn-cs357` account:

- Your well-documented source file(s).

- A README file that contains:

  - Your name, including your login name(s) in parentheses (e.g. "(pnico)").
  - Any special instructions for running your program.
  - Answers to the following questions:
    1. Which machine did you choose? (Hint: `hostname(1)` will tell you.)
    2. Which manual page did you read? Did you learn anything useful?
    3. Which editor did you choose? Why? (Some people feel very strongly about their editors...)
    4. What is your program supposed to do? Did you encounter any problems while developing it? If so, what were they and how did you solve them??
  - Any other thing you want me to know while I am grading it.

  The README file should be **plain text,** i.e, **not a Word document**, and should be named "README", all capitals with no extension.