Outline for March 31, 2024

Reading: *Shell text* §1–4; *zyBooks text* §1; *Handouts* 1, 2, 3   **Due:** Homework #1, due April 14, 2025

1. Greetings and felicitations!
   (a) About the class
   (b) About the books
2. Logging in to CSIF
3. File system
   (a) Structure of the file system
   (b) Commands for traversing file system
   (c) Commands for looking at directories
   (d) Commands for looking at file contents
4. Processes
   (a) The *bash* shell
   (b) Processes
   (c) Commands for processes
   (d) Introduction to redirection
5. Quick overview of compiling
6. Example program 1: *hello.c*
   (a) What is *stdio*?
   (b) `printf`
   (c) The function `main`
7. Example program 2: *fahr1.c*
   (a) Program `main`, **return** or `exit` for `main`
   (b) Declarations (**int**, **register int**)
   (c) Body (**while**, `printf`)
8. Variable names

Papers

1. Quick Guide to UNIX, *unix-quick.pdf*
2. Processes and the Shell, *processes.pdf*
3. Compiling and Executing Your Program, *compiling.pdf*