CS-701 Lecture 5

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Dr. Vickery

Administrivia

- Submitting assignments *via* Digital Drop Box
  - Mention resubmissions; I will keep only one file.
  - Add a note giving your name and ID number when you add the item to your drop box.
  - You must use the Digital Drop Box *send* button to submit a file to me. You don't need to use the *add* button at all, and just adding a file won't send it to me.
- Use the Discussion Board
  - You can send me email if you want to call my attention to a question on the Discussion Board
- RCS was not required for today's assignment.

Make and Environment Variables

- CC – What compiler driver to use
  - cc is the default; we want gcc
- CFLAGS – What options to specify on the compiler driver command line
  - We want –g and –Wall
- You can add the *setenv* commands to your ~/.cshrc file so they will be executed every time you log in.

FAQ

- "Why do I have to specify the full pathname to my executable file to get it to run?"
  - Linux systems in particular do not include "." in your PATH by default. But you can do so in your ~/.profile (or ~/.cshrc).
  - It's a security feature to deter hackers.
    - Interposition

Revision Control System

- "Using RCS" web page
  - Tells all you need to know for Assignment 2, and more.
- File histories kept in the project's RCS "database"
- File locking
  - RCS allows only one user to have an editable copy at a time; any number of read-only copies may be checked out, though.
  - (CVS allows concurrent modifications, and merges changes into the master file.)
- Documenting Files
  - The Id and Log Macros
    - Must be inside comments so compiler won't get confused

Assignment 2

- Due next Tuesday
- Create three versions of printargs.c
  - 1.1 is the version I gave our last time
  - 1.2 adds a display of the environment
  - 2.1 prints your name at the end of the output *instead of* the environment.
- Experiment with building different versions
- "Drop" me a tar file of the project directory
  - The project directory must be empty except for the RCS subdirectory.
  - I will verify that I can recreate all three versions.
  - No need for a typescript file.