CSCI 347: Computer Systems II

- Course -- see syllabus
- Environment
  - CS Labs -- Debian Linux, must run here
  - Linux on Lab machines (CF162/164, 165/167, 405, 418, 420, KB?)
  - VPN only access: https://access.cs.wwu.edu/pages/vpn.html
  - Remote Access Ubuntu "cluster" ... linux.cs.wwu.edu
  - ssh -Y -p 922 linux.cs.wwu.edu
  - ssh -Y -p 922 cf164-01.cs.wwu.edu
  - Specific machines (VMs)
    - linux-01.cs.wwu.edu - linux-6.cs.wwu.edu
    - ssh -Y -p 922 linux-01.cs.wwu.edu
  - Your machine
    - NetBSD, FreeBSD, OpenBSD, PCBSD, Linux/GNU (with virtualbox)
    - Cygwin (Do all your 347 work using Cygwin, no visual studio)

      (MinGW does not have a POSIX runtime, you can’t use it)
    - WSL (Windows subsystem for Linux) -- good chance it works
    - Mac OS X (Don’t use eclipse or any other IDE, install commandline tools)
    - Remote access to department machines
      - putty on Windows
      - Other ssh clients (WSL, ...)

Background expected

I am expecting that you have seen the following before this class:

- make -- built or used simple makefiles (Will talk about this.)
- gdb -- used gdb to debug C programs (see video lecture on web site.)
- C -- Done some simple programming in C
- git -- used git to store your programs
- UNIX/Linux -- at least used the Linux environment

Videos you are expected to watch. See web site. (facultyweb.cs.wwu.edu/~phil)

- GDB video -- a very important tool for this class
- 2 videos on "C review" -- may have new material
  - Important information for first assignment