WELCOME TO CIS 241

SYSTEM-LEVEL PROGRAMMING AND UTILITIES

WHAT'S THIS CLASS ABOUT?

- Working in Linux (1st half)
- C Programming Language (2nd half)

SYLLABUS

https://github.com/cis241-f20/class-material/blob/master/syllabus.md

- You will need to create a github account at some point (might as well do it soon)

CIS LABS

- We'll be accessing EOS frequently
- Everyone should have an account -- if you don't:
    - check your email
    - contact hpcsupport@gvsu.edu
- Theoretically, lab is open in person when not used for classes
    - COVID -- if open at all it's limited to very few students
    - Better, safer to access remote
- More info: https://www.cis.gvsu.edu/eoslab/

REMOTE ACCESS

SSH - SECURE SHELL

- What's a shell?
- What shell am I using? `echo $0`
  - ▪ $0 is expanded into command being run
- SSH is a way of securely connecting to a remote shell
- Try it!

I DON'T HAVE A SHELL...

- Mac: spotlight search for terminal
- Windows 10:
  - install Linux Subsytem for Windows
  - https://www.ssl.com/how-to/enable-linux-subsystem-install-ubuntu-windows-10/
  - choose Ubuntu (EOS runs Ubuntu)
- Linux: open terminal

TAKING A STEP BACK: BIGGER PICTURE

- Who cares?

  - Why is this important?
  - When will I need to use the shell?

- Answers:

  - Efficiency
  - Necessity
    - Only have shell access
    - Tools only available from command line