CSE 351
The Hardware/Software Interface

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Environment

- lab machines
- ssh [username]@attu.cs.washington.edu
  - PuTTY website
- home vm
  - Webpage
- do it on your own (don’t do this)
Tools

- gcc, gdb
  - preinstalled on lab machines and vm
- text editor - emacs, vi, gedit, anything you want
Resources

- Cheat sheets
- Videos
You need to know these...

- `ls`
- `pwd`
- `cd`
- `chmod`
- `man`
Compiling C

gcc -o hello hello.c
Don’t Do That (do this instead)

gcc -g -Wall -std=gnu99 -o hello hello.c
GDB is your friend

Usage: gdb ./hello

- run
- break [function/line]
  - break [function/line] if [condition]
- step/next
- continue
- print [variable]
- backtrace/frame
valgrind

valgrind ./hello