CMSC412 Discussion

Sept. 21, 2011

Plan:

- Talk about scheduling

- Go through gdb again

- Go over printrun

- Answer questions

Scheduling

3 types
- Long-term, Medium-term, Short-term

6 short-term scheduling algorithms from book:
- First-Come, First-Served
- Shortest-Job-First
- Priority Scheduling
- Round Robin
- Multi-level Queue Scheduling
- Multi-level Feedback Queue Scheduling

Take-home message:
- No perfect algorithm, always tradeoffs

GDB

- Open two terminals
- make clean
- make dbgrun in one
- THEN make dbg in other

- Do gdb stuff
  - breakpoints
  - print
  - info
  - use google to figure out how to use gdb

- Note: Can add -curses option to bypass X11

printrun

- emacs -nw Makefile.linux
- uncomment qemu lines
    - use tabs for following lines
- uncomment BIOSLOCATION

- make clean
- make printrun

- do stuff

- new terminal to kill 1st one
- look at out.txt

Questions?

FAQs:
- some tests currently buggy, being looked at
  - test-ampersand
  - ps tests
- unable to log in due to disk space
  - likely because firefox cache was filled, limit to 0