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CS 2130: Computer Systems and Organization 1

December 2, 2022

Announcements

- Homework 8-10 posted, due last day of class at 11pm
 - Homework 10 is **optional** - replaces lowest homework grade
- There **will** be an optional Quiz 9 this weekend - replaces lowest quiz grade
- Final Exam: December 15 at 7-10pm *Gilmer 390*
 - Cumulative, see practice tests
 - Please schedule with SDAC if needed

Syscalls

`write:`

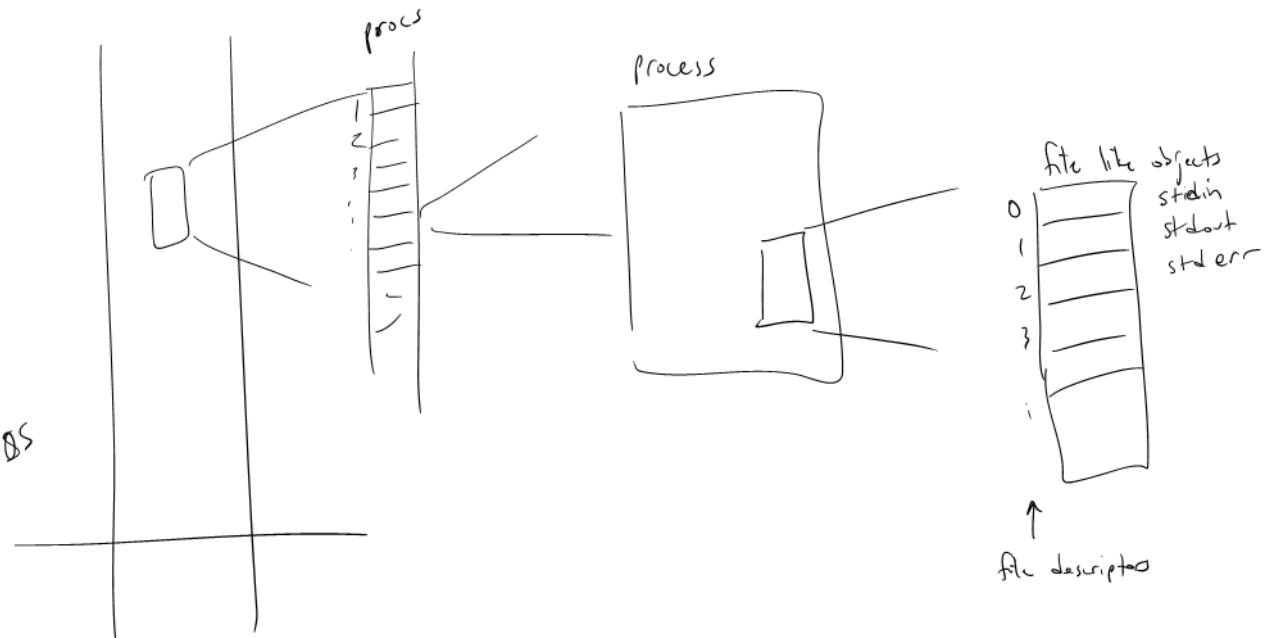
- Argument checking
- `syscall`
- Return value checking
- `ret`

Processes

Process - approximately what we think of as a “running program”

- Operating System effectively has a giant array of processes started since computer turned on
- Try `ps -A`
- Has access to all memory (but only its own!)
- Operating System maintains data structure about each process
 - What program is running, who ran it, when it started, ...
 - Array of “file like objects”

Processes



Using write

Pig Latin example