

System Calls & POSIX I/O

CSE 333 Spring 2025

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Administrivia

- ❖ EX6 due
- ❖ EX7 out on Friday, take a breather
 - Involves material from lecture today **and section tomorrow!**
- ❖ HW1 due at midnight tomorrow
 - Submission time is the timestamp of the git commit tagged `hw1-final`
 - Late day tokens will get “automatically” used if needed, you don’t need to let us know

What's an OS?

❖ Software that:

- Directly interacts with the hardware
 - OS is trusted to do so; user-level programs are not
 - OS must be ported to new hardware; user-level programs are portable
- Manages (allocates, schedules, protects) hardware resources
 - Decides which programs can access which files, memory locations, pixels on the screen, etc. and when
- Abstracts away messy hardware devices
 - Provides high-level, convenient, portable abstractions (*e.g.* files, disk blocks)