

C, Memory

CS 2130: Computer Systems and Organization 1

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Announcements

- Homework 9 due Monday on Gradescope
- Final Exam Thursday April 30, 2026 at 7pm

Common Memory Bugs (reading)

string.h manual page and examples

strcmp(), memcmp(), strcat()

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
