

Administrivia

- Reminder: Homeworks 5 and 6 due today.
- Reminder: Homework 7 due last day of finals (December 17). Very open-ended.

Slide 1

Some Interesting Things You Can Do In C, Revisited

- Most UNIX/Linux “system calls” (requests to operating system) have a C library function to call them. Example — `fork` to create a new process. Most of them probably have a Java equivalent, but calling them directly from C may be interesting in being lower-level.
- Some functionality available in command shells is accessible via library functions — e.g., `readline` (tab completion, command history).
- The `ncurses` library provides functions to do fancier I/O (colors, cursor positioning, etc.).
- C “bindings” for OpenMP provide simple ways to do multithreading for performance.
- (Examples as time permits.)

Slide 2

Course Topics — Recap

- Basic C programming, for people who already know how to write programs in some other language (such as Java).
- The Linux/UNIX command-line environment and command-line development tools.
- Basics of computer arithmetic and data representation.

Slide 3

Minute Essay

- How did the course compare to your expectations/goals? Did you learn what you hoped to learn?

Slide 4