Administrivia

- Homework 6 on the Web. Due May 10 *at noon*.

Some Interesting Things You Can Do In C

- 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.)

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