

Announcements

■ Today's lecture

- Review the first multithreading examples from this past Friday's lecture, highlighting similarities between multiprocessing and multithreading, pointing out differences.
- Work through two versions of a multithreaded program where the main thread of execution shares data with each of the baby threads it creates.
 - Version 1 is intentionally broken to illustrate the most obvious of race conditions.
 - Version 2 provides a very simple fix so that the race condition is no longer present.
- Motivate my decision to move from C to C++ for its more robust and error-resistant treatment of threads.
- Work through two or three C++ threading examples.

■ Assigned Reading

- You're reading all of Section 12.1 and Sections 12.3 through Sections 12.8 right now, skipping those subsections that refer to networking and servers.
 - Chapter 12 is actually the fourth chapter of the reader.
 - Code examples are in C, but the concepts are largely the same regardless of language.
- Once we learn networking, we'll come back and hit on some of these excluded sections.

Announcements

■ Other announcements

- Assignment 3 is due tonight, just before midnight.
- Assignment 4 is out as well, due a week from tomorrow (Tuesday) night.
- Midterm is on Friday, May 12th during normal class time. Rooms TBD.