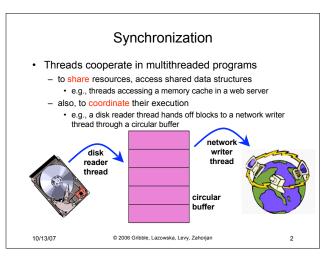
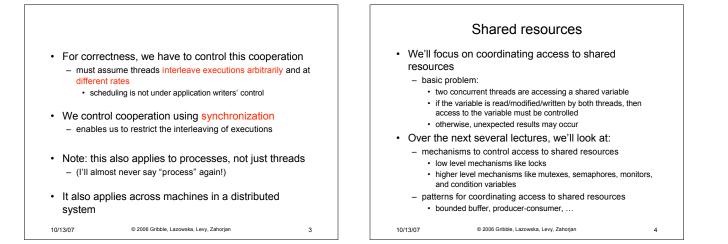
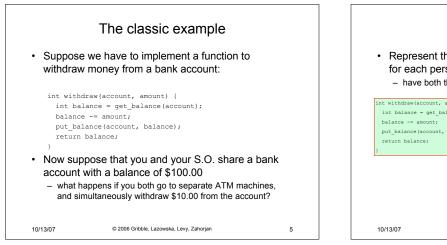


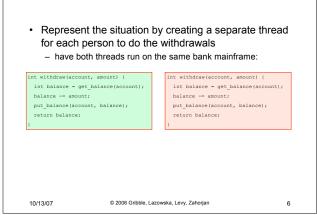
Module 6 Synchronization

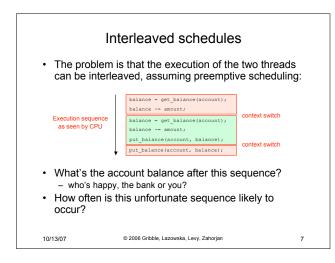


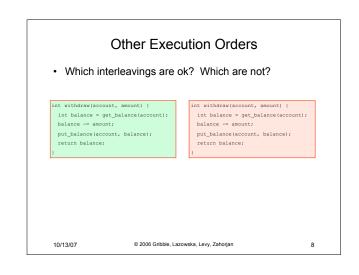


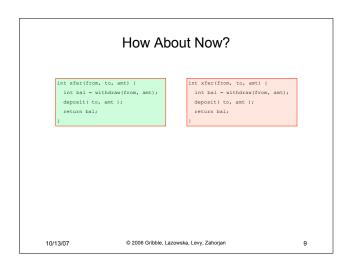
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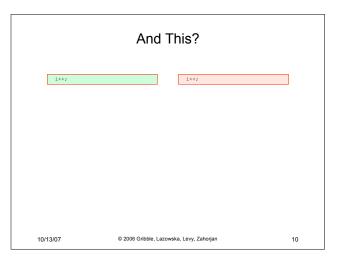


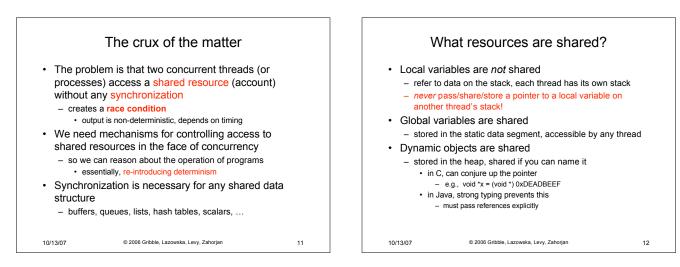


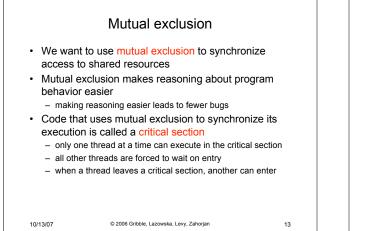


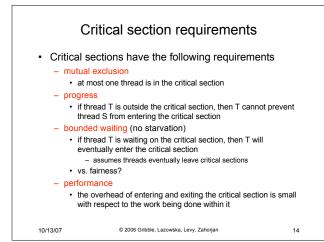












Mechanisms for building critical sections Locks - very primitive, minimal semantics; used to build others Semaphores - basic, easy to get the hang of, hard to program with Monitors - high level, requires language support, implicit operations easy to program with; Java "synchronized()" as an example Messages - simple model of communication and synchronization based on (atomic) transfer of data across a channel - direct application to distributed systems 10/13/07 © 2006 Gribble, Lazowska, Levy, Zahorjan 15

