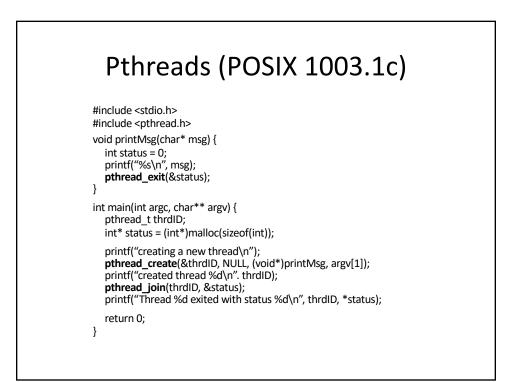
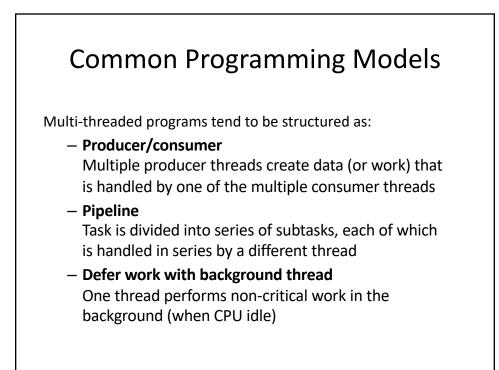


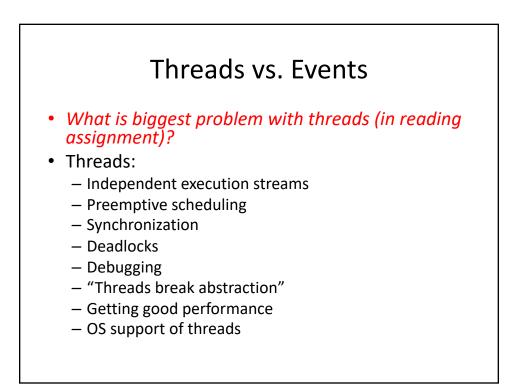
## Paper Discussion

- Why are threads cheaper than processes?
- How is IPC performed using threads?
- Why is synchronization between threads needed?
- Two creation approaches: create ALL threads or create only CALLING thread; difference?
- What is "thread-local storage"?
- What are bound threads and why are they useful?
- Why is signaling challenging?









## Threads vs. Events

## • Events:

- No CPU concurrency
- Callbacks; event handlers
- No preemption
- Long-running handlers
- State across handler invocations
- Debugging
- Overheads
- Portability