**Synchronization Examples**

**Review Questions**

**Section 7.1**

7.1 What are the names of the two processes associated with the bounded-buffer problem?

7.2 How many writers may concurrently share the database with the readers-writers problem?

7.3 What is the problem if all philosophers simultaneously pick up their left fork?

**Section 7.2**

7.4 What are the two states of a Windows dispatcher object?

7.5 What is available in Linux for updating an integer variable without having to use locks?

7.6 True or False? Linux uses spinlocks for both single and multiple processor systems.

7.7 What are the Pthreads operations for locking an unlocking a mutex lock?

**Section 7.5**

7.8 Provide at least one alternative to mutex locks, semaphores, reader-writer locks, and monitors that provide support for concurrent programming.