

UNI CS 3430

Operating Systems

Suggested Exercise #5

1. Find a creative/funny example of synchronization that can demonstrate the difficulty of developing a monitor-based solution (in pseudocode) similar to the “Readers-Writers.” Make sure that you vigorously discuss the correctness and pitfalls of your solution. (3pts)
2. Find a creative/funny example of deadlock, and apply various deadlock prevention approaches to the live example. Describe the advantages and disadvantages of each approach. (3pts)
3. Please summarize the steps to configuring, compiling, and installing a kernel and its modules. Include the step of rebooting into the new kernel. (4pts)