

1. a) No. User function executes instruction in user mode, while system call executes trap instruction to move a process into kernel mode so privileged operation can be executed
- b) No. If the both threads are reading shared variable, then concurrency error will not occur, and further more, concurrency error will not occur if only one of two threads are guaranteed of updating the shared variable, and the other thread is reading the shared variable without importance of which ever state, before the update or after the update, it reads.