

Name: _____

Quiz 6

ID#: _____

CS311 Operating Systems I

There are 10 questions on this quiz. Any 3 may be selected for extra credit. Please mark them clearly. Extra credit questions are worth 3 points each, with regular questions worth 5.

1. What is a mutex, and how can they be defined?
2. Who said “Of what consequence are you now? These people, this world, they are nothing - the universe is power, pure unstoppable power - and I am that force, I am that power.”?
3. Describe the issue copies of a mutex suffer from.
4. How can you ensure that a function happens exactly once, in a threaded program?
5. What are some things that threads share?
6. How are thread IDs compared?
7. What are some advantages of threads over processes?
8. What are some disadvantages of threads over processes?
9. Describe the return values of the threading functions.
10. What flag must be passed to the compiler to use threading?