Quiz: Introduction to Concurrency

Total points 29/29

Take the quiz solo, but feel free to consult a partner student, the book, the videos or other resources if needed. Re-take quiz if your score is less than 80% or if you just want some more practice.

The respondent's email (**faiyaz@pdx.edu**) was recorded on submission of this form.

✓ All parallel programs are concurrent * 5/5

- (●) True ✓
- ( ) False

✓ A process might be interrupted between any two instructions * 5/5

- (●) True ✓
- ( ) False

✓ if a critical section is properly protected with lock/unlock of a mutex then only one thread can execute within the critical section at a time. *5/5

- (●) True ✓
- ( ) False

✓ A modern OS can achieve atomicity by temporarily suspending interrupts * 5/5

- ○ True
- ◉ False ✓

Match the synchronization primitive with its primary methods. *

	mutex	condition variable	Score	
lock()	◉	○	1/1	✓
unlock()	◉	○	1/1	✓
wait()	○	◉	1/1	✓
signal()	○	◉	1/1	✓

✓ In the C language, the _____ keyword is a qualifier that is applied to a variable when it is declared. It tells the compiler that the value of the variable may change at any time--without any action being taken by the code the compiler finds nearby. *5/5

- ○ const
- ○ auto
- ○ void
- ○ synchronized
- ○ unsigned
- ◉ volatile ✓

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