

Quiz: Threads

Total points **24/24**

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.



Process or Thread? *

	Process	Thread	Score	
is contained within a process	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1/1	✓
is in one scheduling state (RUNNING, READY, BLOCKED, etc.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1/1	✓
is scheduled by the OS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1/1	✓
has a private address space that is not shared with its peers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1/1	✓
has a private stack	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1/1	✓
is a schedulable entity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1/1	✓
is a running instance of a program	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1/1	✓
shares open file descriptors with its peers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1/1	✓
is an execution path within a process	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1/1	✓



✓ the C language statement "num++;" is an atomic operation * 5/5

☐ True

☒ False



✓ pthreads is a standard library for support of multi-threading * 5/5

☒ True

☐ False



✓ Which fundamental operation is often used to implement mutex locks on Intel CPUs? *5/5

☐ LoadLink

☐ FetchAndAdd

☒ xchg

☐ TestAndTestAndSet

☐ CompareAndSwap

☐ TestAndSet



This form was created inside of Portland State University.

Google Forms

