Davis Adams

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PDC Reading Week 8

Which parts of memory do different threads share? Do they share the stack?

They are stored in the stack. Each thread created shares a portion of the stack.

Can different threads in the same process run on different cores in a multicore system?

It can run a maximum number of threads that is equal to the number of cores the system has.

What does pthread\_join() do?

It takes a pthread\_t struct indicating the next thread, and a pointer argument that specifies where the return value is stored.

For gcc, what is the command line option to link the pthread library?

-lpthread

What is a data race or race condition? Give an example.

It’s what happens when two threads attempt to write to the same location.

What questions do you have about the reading?