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Points 7 ✅ **Published** ⋮

Details   Questions

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⣿ **Question**   **1 pts**

What is a race condition in multithreading?

○ A condition where threads are synchronized perfectly

○ A situation where two or more threads try to modify shared data simultaneously, leading to non-deterministic output

○ A type of error that occurs when launching multiple threads

nswer   ○ A competition between different threads to finish their tasks first

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⣿ **Question**   **1 pts**

Creating a thread has lower overhead than creating a process

nswer   ○ True

○ False

⣿ **Question**   **1 pts**

The system call that is called when one thread wants to wait for another thread to finish execution.

○ pthread_wait()

nswer   ○ pthread_join()

○ wait()

○ pthread_return()

⣿ **Question**   **1 pts**

Threads belonging to the same process share all data except?

☐ heap

nswer   ☐ stack

☐ global variables

☐ code

⠿ **Question**   **1 pts**

what technique is used to provide communication among dependent threads

☐ locks

☐ atomicity

☐ race condition

swer   ☐ condition variables

⠿ **Question**   **1 pts**

✎ ✕

What is a critical section in the context of operating systems?

swer   ○ A section of code that should be executed by only one process or thread at a time

○ An area of memory reserved for system processes

○ A portion of code responsible for managing system clock interrupts

○ A part of the operating system that handles critical errors

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⠿ **Question**   **1 pts**

When the main thread exits, all other threads exit with it.

swer   ○ True

○ False

＋ **New question**   ＋ **New question group**   🔍 **Find questions**

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