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BSIT – 3O1

Topic: Threads in Operating Systems

1.Explain the Importance of Threads in a certain Operating System of a particular Operating System.

Threads are required in the operating system for several reasons, including: Because threads use the same data and code, the operational cost between threads is low. Creating and terminating a thread is faster than starting or stopping a process. Context switching in threads is faster than in processes.

2. Base on your Understanding what is the Purpose of having a User-Level Thread and Kernel Level Thread.

Based on my understanding, A user thread is a thread that runs user-space code. A kernel thread is one that runs only kernel code and is not linked to a user-space process.

3. Do you think without a Thread a certain a program or process will execute? Explain in your own Understanding.

I think it is not possible to complete a task using only a process; something must be running. It's possible that an operating system will distinguish between a runnable process and a runnable thread, but I've never seen this except in user-mode threads (where the OS doesn't do any threading). A process usually has one or more threads.