Tutorial 5 Conceptual Questions

pthread\_create: Creates a new thread. Pass in a function for it to run when it is initialized.

pthread\_join: Waits for a thread to complete before continuing execution.

pthread\_exit: Terminates the given thread.

1. Threads share memory and can access each other’s memory. A process cannot.
2. Multithreading – running multiple pieces of code simultaneously on separate threads. Shares memory, so for things with shared memory it can cause problems. However, it can run the code faster as it runs simultaneously.

Multiprocessing – creating forks within the code in order to run multiple processes. Processes don’t share memory, but do not have critical section errors to deal with.

1. Critical sections are parts of threads that that share memory with other threads.