

Week 4

- 1 Please read the Chapter 4 of Operating System Concepts.
- 2 you should have an idea about the threads including basic concept, the benefits of using threads, Amdahl' s law, multithreading models and thread operations.
- 3 you should understand that the difference between threads and processes. You must know the data shared mechanism of threads including private data, shared data in threads.
- 4 You should know what the Parallelism and Concurrency are.
- 5 You need to know how to write a program with Pthread, and please write some programs to create threads.

Understand the terms:

- 1 Thread
- 2 Thread Control Block
- 3 Parallelism
- 4 Concurrency
- 5 Data parallelism
- 6 Task parallelism
- 7 kernel-level thread
- 8 user-level thread
- 9 thread pool