

Week 3

- 1 Please read the Chapter 3 of Operating System Concepts (the "dinosaur" book).
- 2 you should have an idea about the process including basic concept, process scheduling, operations on processes and interprocess communication.
- 3 you should understand how the parent process create a child process and the relationship between a parent process and a child process.
- 4 What are the steps performed by an OS to create a new process?
- 5 you should understand the way of communication among processes including shared memory, message passing, pipe and socket. What are the differences among them?
- 6 Please write some programs to create a child process and try different communication between processes.

Understand the terms:

- 1 Process
- 2 Process State
- 3 Process Control Block
- 4 Context Switch
- 5 Short-term scheduler and Long-term scheduler
- 6 Interprocess communication

- 7 Shared memory communication
- 8 Message passing communication
- 9 Ordinary Pipes
- 10 Named pipes