

Lab2 Practice Time (Feb.01 - Feb.05)

Processes

During Lab2 practice time you will learn how to create a zombie process, how to use shared memory, and how to send a message through the pipe on the Linux system.

1. Modify program from Figure 3.8 (page 118) to generate a zombie process that remain in the system for at least 10 seconds.
2. Modify the producer, shown in Figure 3.16 (page 133) to write string "Lab 2 Practice!" into shared memory. Run consumer program from Figure 3.17 (page 134) to read shared memory.
3. Modify program shown in Figures 3.21 and 3.22 (page 141-2) such that one process writes the message "Hello!" to the pipe, while the other process reads this message from the pipe.

Reference: TEXT 1 - "Operating System Concepts", 10th Edition

3.3.1 Process Creation

3.3.2 Process Termination

3.7.1 POSIX Shared Memory

3.7.4 Pipes