

Outline

- Shell Lab
- Processes
- Signals

Process IDs & process groups

- A process has its own, unique process ID
 - `pid_t getpid();`
- A process belongs to exactly one process group
 - `pid_t getpgrp();`
- A new process belongs to which process group?
 - Its parent's process group
- Make a new process group for myself and my children:
 - `setpgid(0, 0);`

Process & concurrency

- **int fork(void)**
 - Create a new process **identical** to parent process
 - Return 0 to child process
 - Return child's **pid** to the parent process
- Any scheduling order of processes is possible!!
 - Unless code uses explicit synchronization
 - Context switching can happen at any point