

15213 Recitation Section C

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Oct. 28, 2002

Outline

- Process
- Signals
- Reaping Child Processes
- Race Hazard

Process Concept

- An instance of running program
- Multiple processes run “concurrently” by time slicing
 - What is time slicing?
 - Preemptive scheduler of OS: it can stop a program at any point!

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
- A process can make a process group for itself and its children
 - `pid_t pid = getpid()`;
 - `setpgid(0, 0)`;
 - `getpgrp()` → `-pid`