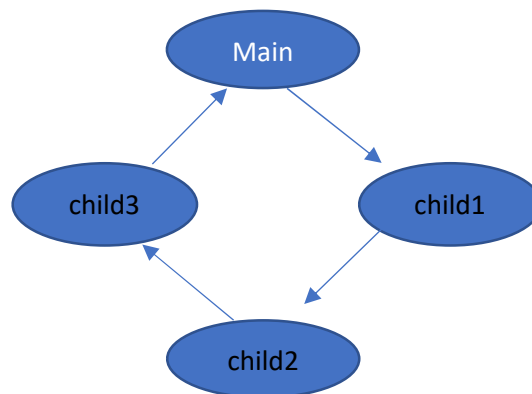


COMP 8567
Winter 2023
Lab 06- Signals-Part 2
Marks: 25

- Write a C program with three consecutive `fork()` statements such that each forked process runs an infinite loop printing “This is from process (process id)” every two seconds
- Using the system call `setpgid()`, ensure that all the descendants of the main process **other than its immediate children** are terminated upon entering CTR-C
 - Each of the terminated non-descendant process must **print its PID and PPID** along with a short message stating that it has been terminated.
- After the non-child processes have been terminated, the **main program and its direct descendants** must take turns every 2 seconds to print the statement “This is from process (process id)”
- There should be no interleaving of print statements from different processes, and they must be printed from each process in the order listed below continuously (starting with main) . Note: you must implement this using **SIGSTOP** and **SIGCONT**



Submission:
Upload lab6.c