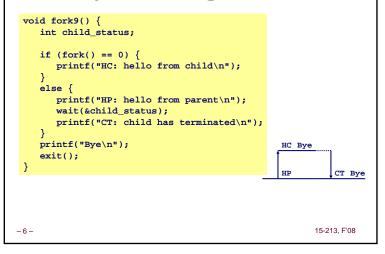
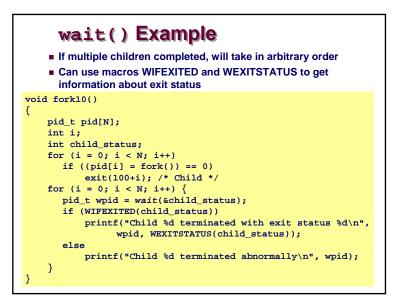
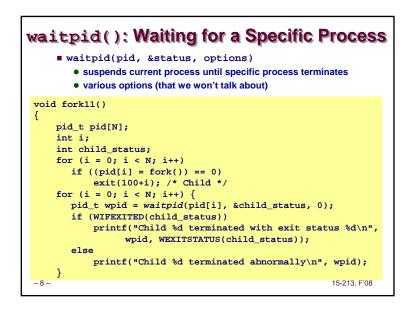
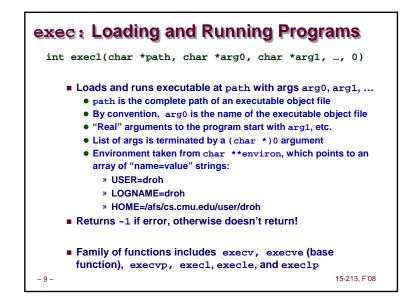


wait: Synchronizing with Children

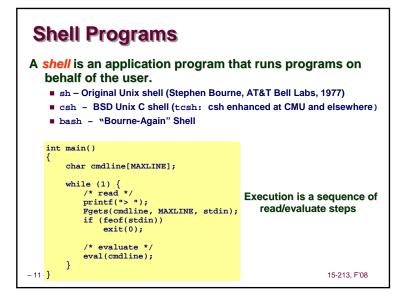


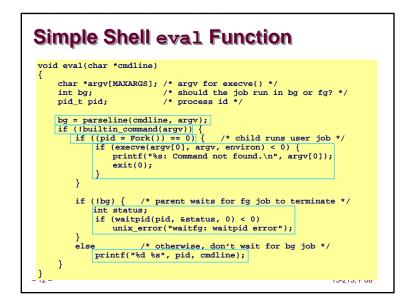


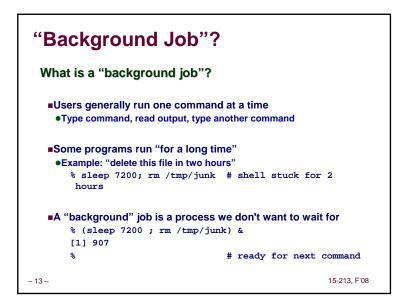


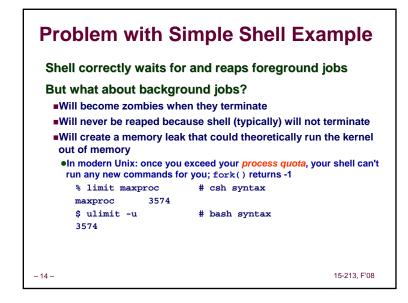




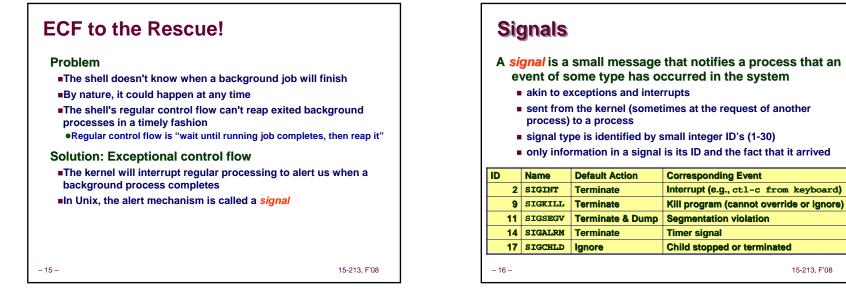


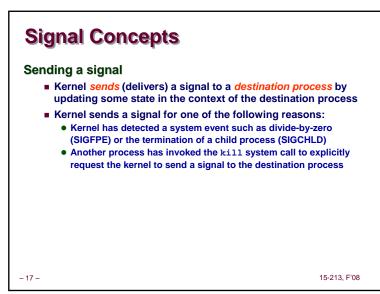






15-213, F'08

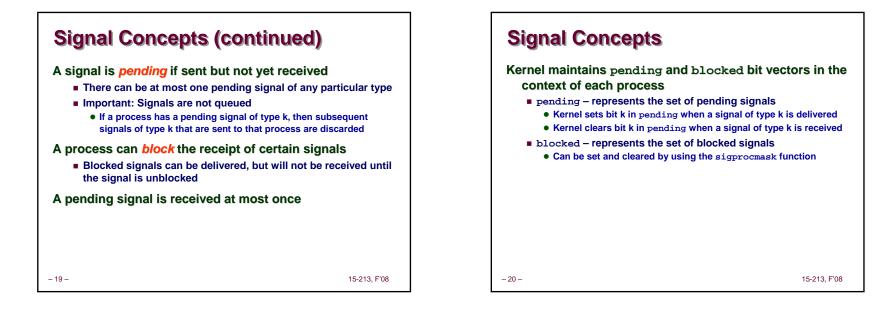


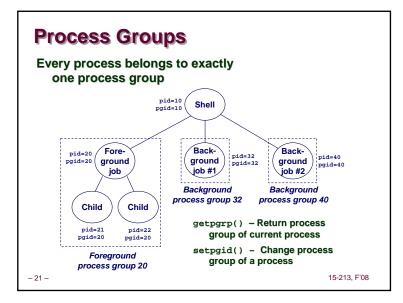


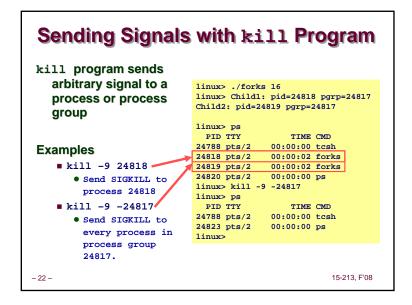
Signal Concepts (continued) Receiving a signal • A destination process receives a signal when it is forced by the kernel to react in some way to the delivery of the signal • Three possible ways to react: • Ignore the signal (do nothing) • Terminate the process (with optional core dump). • Catch the signal by executing a user-level function called a signal handler • Akin to a hardware exception handler being called in response to an asynchronous interrupt

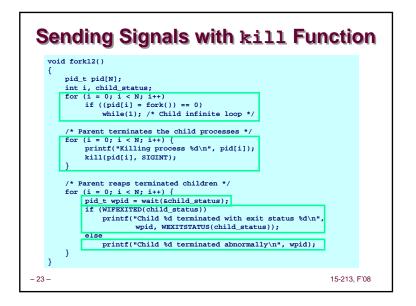
- 18 -

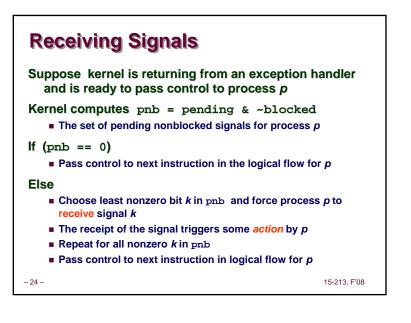
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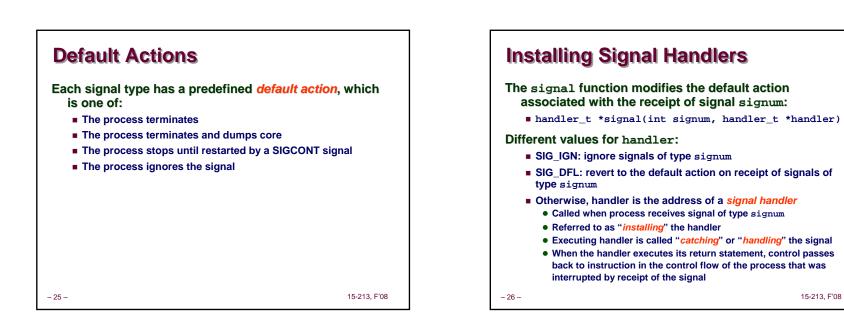


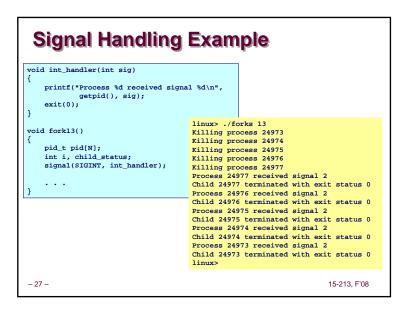


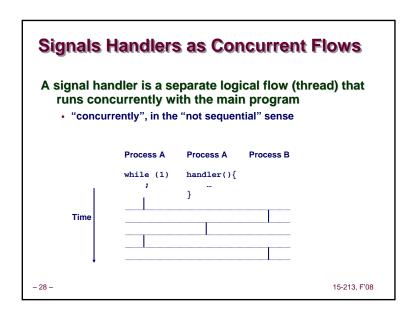


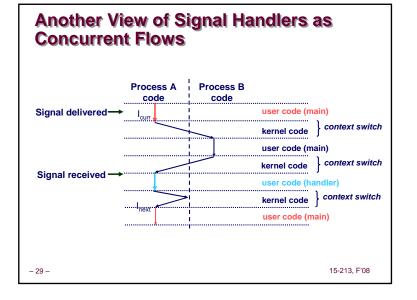


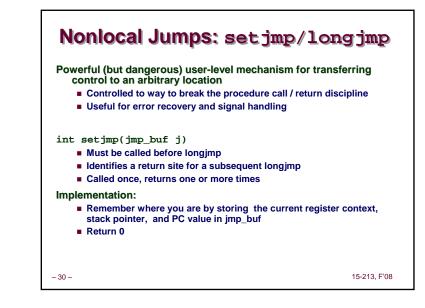


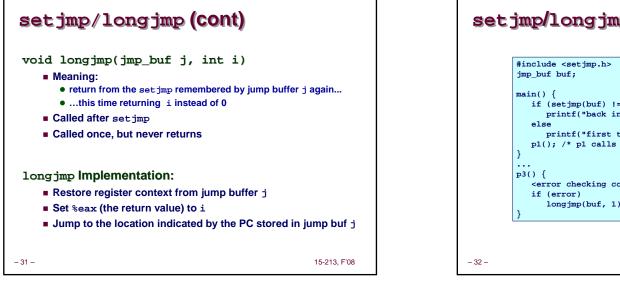


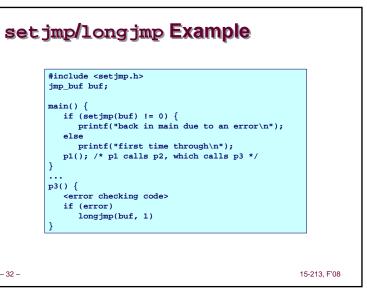


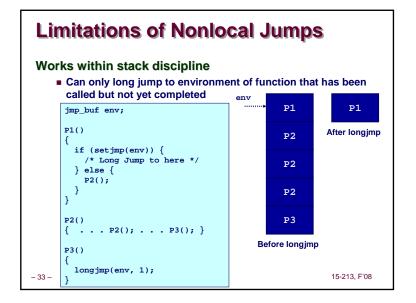


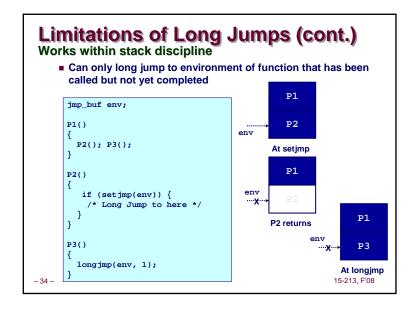


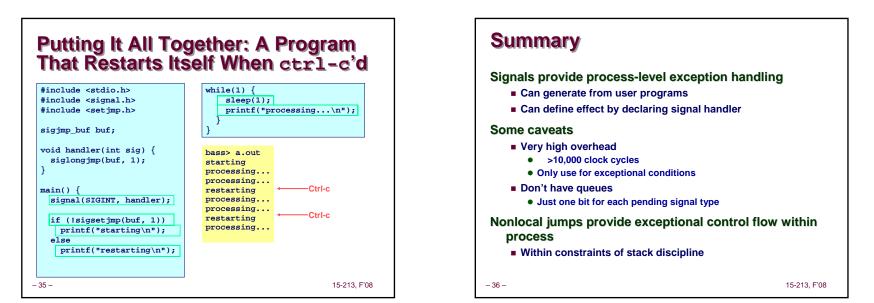


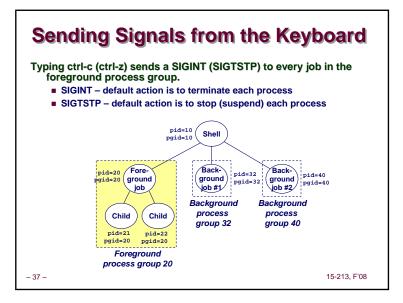












Child: pid=28108 pgrp=28107 Parent: pid=28107 pgrp=28107 <types ctrl-z=""> Suspended bluefish> ps w PID TTY STAT TIME COMMAND 27699 pts/8 Ss 0:00 -tcsh 28108 pts/8 T 0:01 ./forks 17 28108 pts/8 T 0:01 ./forks 17 28109 pts/8 R+ 0:00 ps w bluefish> fg ./forks 17 <types ctrl-c=""> bluefish> ps w PID TTY STAT TIME COMMAND 27699 pts/8 Ss 0:00 -tcsh 28100 pts/8 R+ 0:00 ps w</types></types>	STAT (process state) Legend: First letter: S: sleeping T: stopped R: running Second letter: s: session leader +: foreground proc group See "man ps" for more details
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