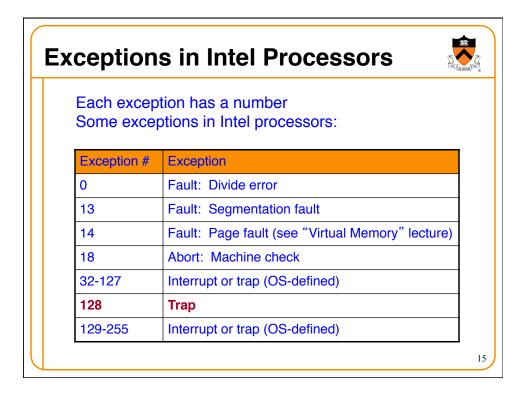
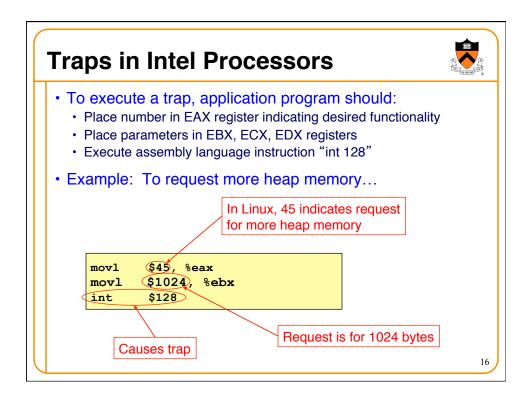
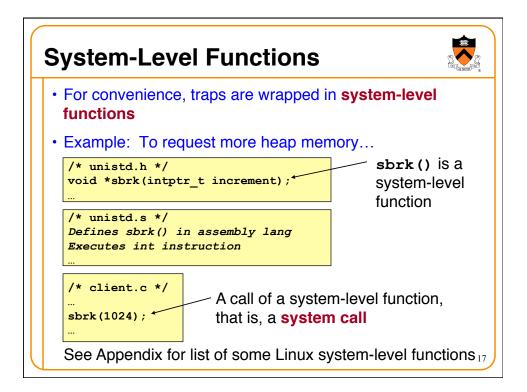
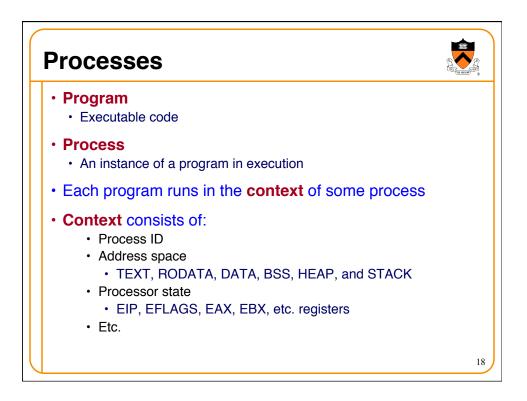


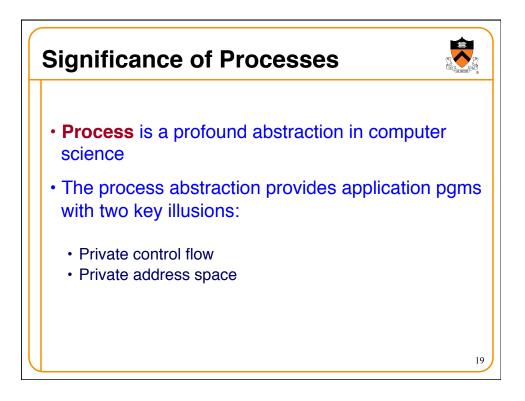
Class	Cause	Asynch/Synch	Return Behavior
Interrupt	Signal from I/O device	Asynch	Return to next instr
Тгар	Intentional	Sync	Return to next instr
Fault			(Maybe) return to current instr
Abort	Non-recoverable error	Sync	Do not return

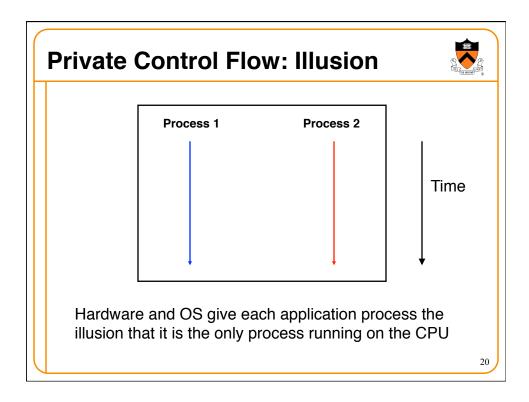


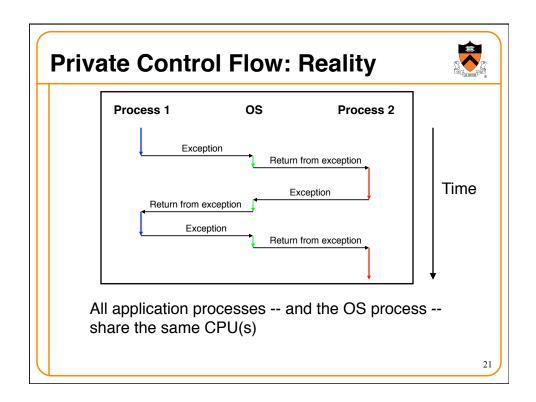


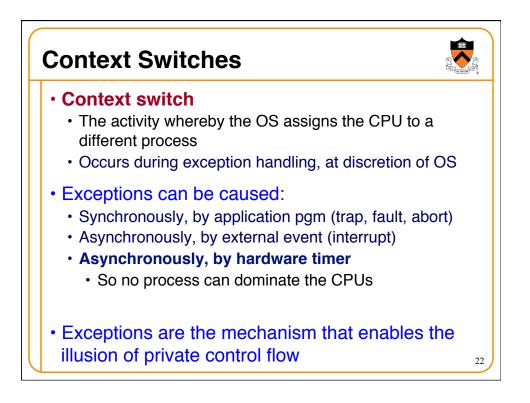


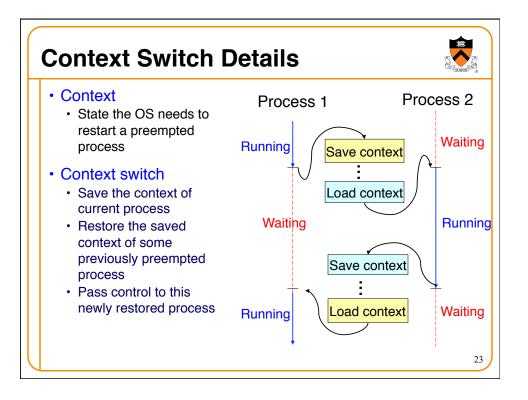


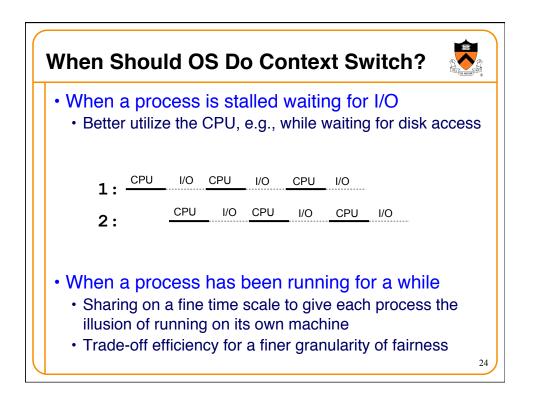


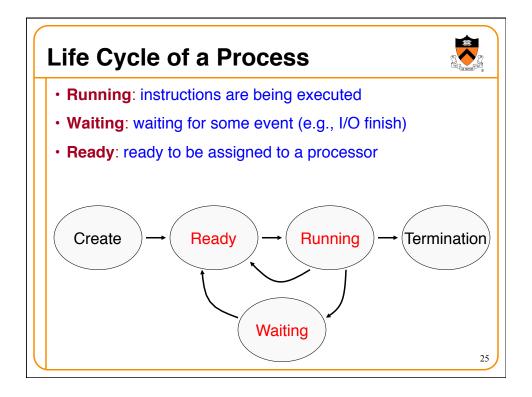


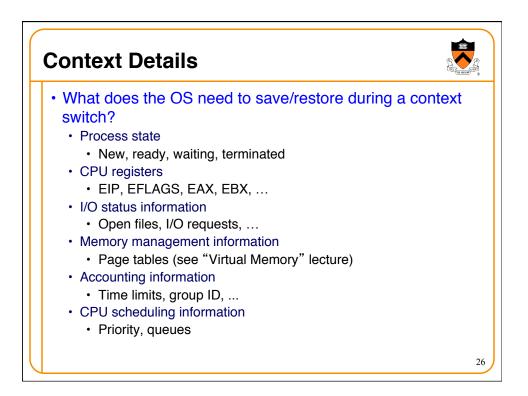


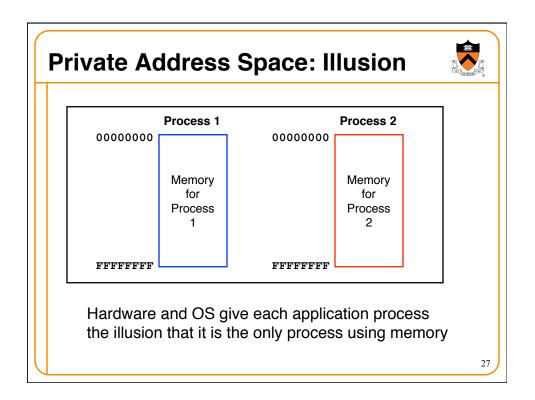


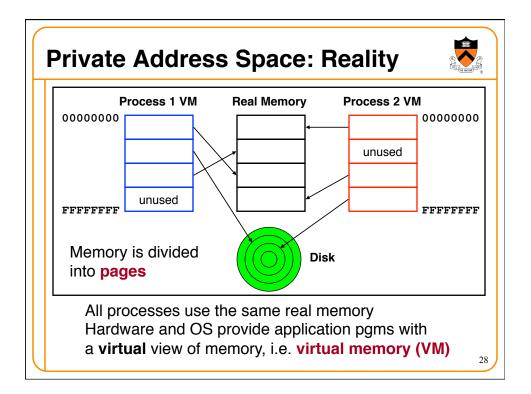


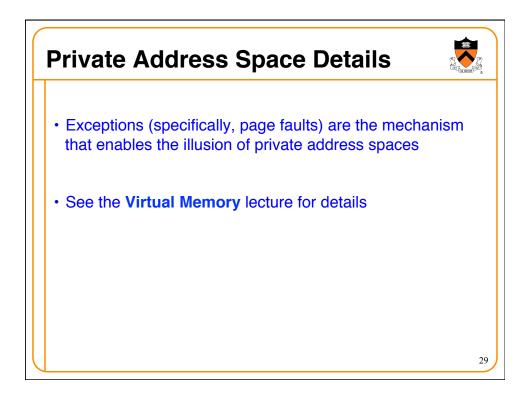


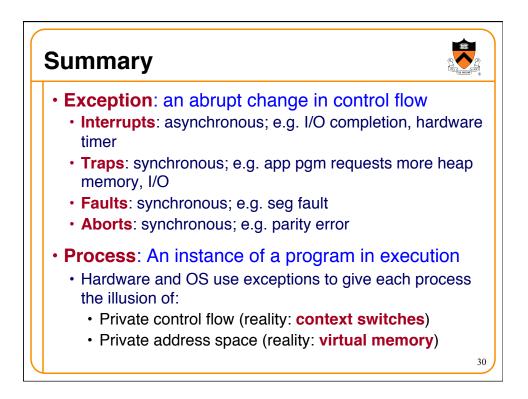




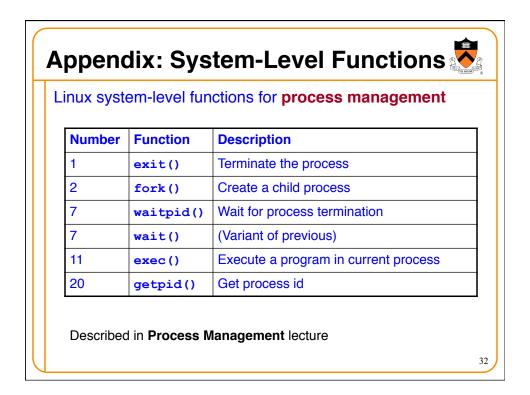








nux system-level functions for I/O management		
Number	Function	Description
3	read()	Read data from file descriptor Called by getchar(), scanf(), etc.
4	write()	Write data to file descriptor Called by putchar() , printf() , etc.
5	open()	Open file or device Called by fopen ()
6	close()	Close file descriptor Called by fclose ()
8	creat()	Open file or device for writing Called by fopen (, "w")



nux system-level functions for I/O redirection and inter- process communication		
Number	Function	Description
41	dup()	Duplicate an open file descriptor
42	pipe()	Create a channel of communication betweer processes
63	dup2()	Close an open file descriptor, and duplicate an open file descriptor

inux system-level functions for dynamic memory management		
Number	Function	Description
45	brk()	Move the program break, thus changing the amount of memory allocated to the HEAP
45	sbrk()	(Variant of previous)
90	mmap()	Map a virtual memory page
91	munmap()	Unmap a virtual memory page
		c Memory Management lectures

nux system-level functions for signal handling		
Number	Function	Description
27	alarm()	Deliver a signal to a process after a specified amount of wall-clock time
37	kill()	Send signal to a process
67	sigaction()	Install a signal handler
104	<pre>setitimer()</pre>	Deliver a signal to a process after a specified amount of CPU time
126	<pre>sigprocmask()</pre>	Block/unblock signals