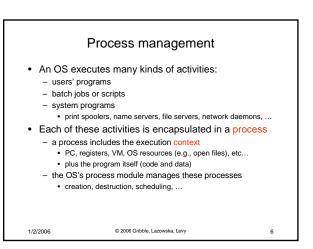
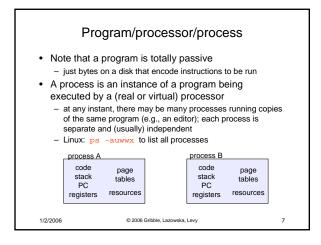


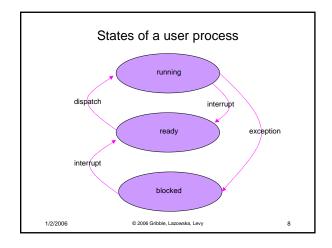
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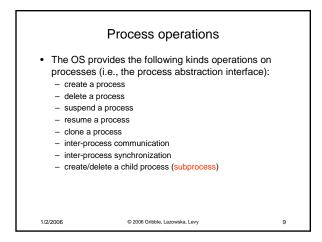
5

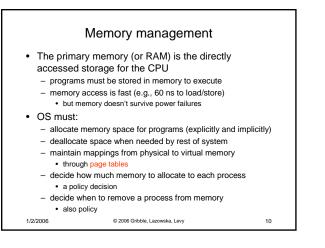
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- A big chunk of the OS kernel deals with I/O
 hundreds of thousands of lines in NT
- The OS provides a standard interface between programs (user or system) and devices
- file system (disk), sockets (network), frame buffer (video)
 Device drivers are the routines that interact with specific device types
 - encapsulates device-specific knowledge

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- e.g., how to initialize a device, how to request I/O, how to handle interrupts or errors
- examples: SCSI device drivers, Ethernet card drivers, video card drivers, sound card drivers, \ldots

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Note: Windows has ~35,000 device drivers!

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