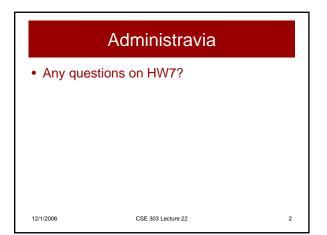
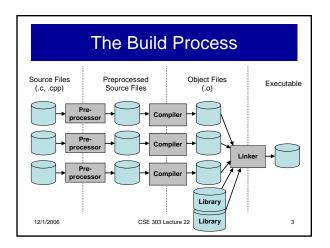
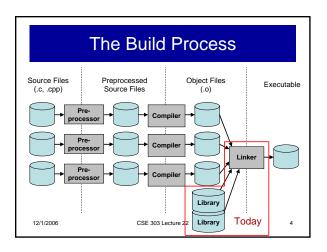
CSE 303 Concepts and Tools for	
Software Development	
Richard C. Davis UW CSE – 12/1/2006	
Lecture 22 – Linkers	







The Goal of the Linker

- Compiled code (.o file) is not "runnable"
- Link with other code to make executable
 Where is the code for printf and new?
 - We only included the header files...
 - Need to find that code and put in executable
- Normally gcc/g++ hides this from you
- Use -c option to stop right before linking - We use this to produce .o files

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Linking Overview

- C/C++ file uses undefined func./global var. - The .o file has "undefined references"
 - Note: declarations don't count, only definitions
- Linker "patches" .o files to resolve refs.
- Executable has no unresolved refs.
- Ways to invoke linker
- 1d command

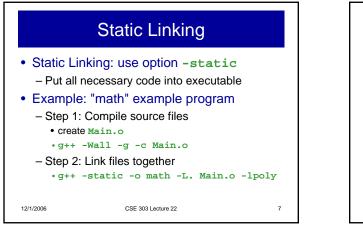
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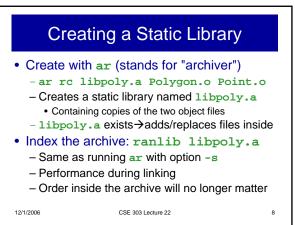
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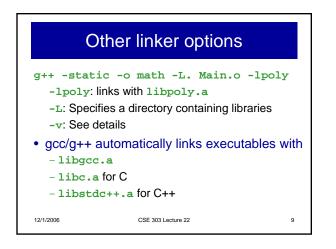
- Implicitly through gcc/g++ (we'll do this)

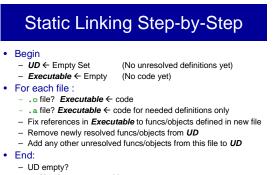
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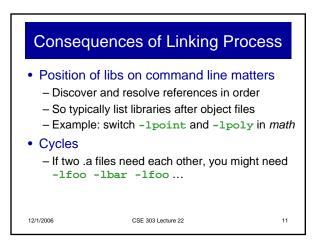
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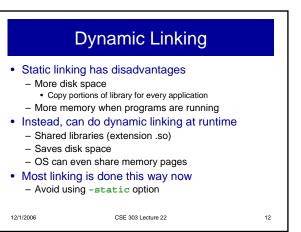


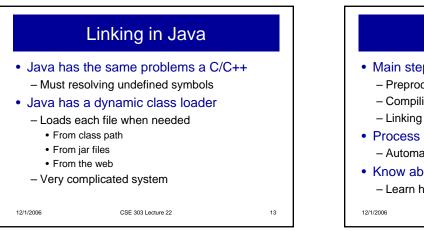


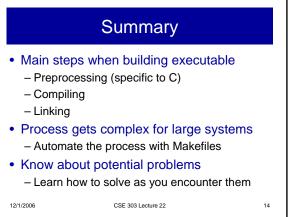
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	Next Time	
ReadabilitySTL?	and Robustness	
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