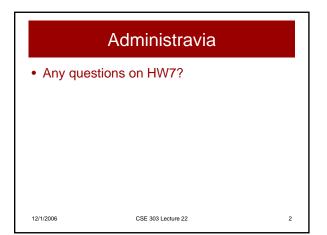
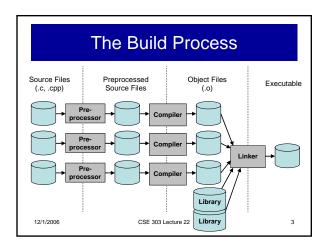
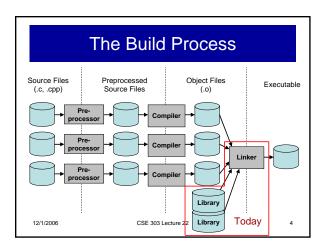
CSE 303 Concepts and Tools for	
Software Development	
Richard C. Davis UW CSE – 12/1/2006	
Lecture 22 – Linkers	







## 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

CSE 303 Lecture 22

12/1/2006

## 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

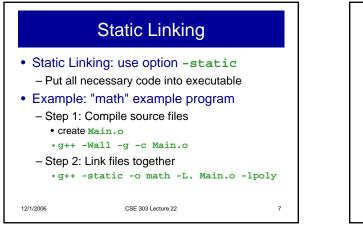
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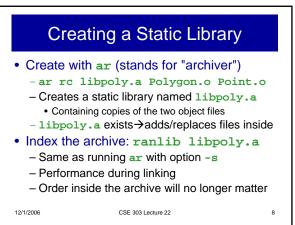
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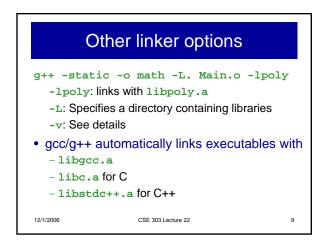
- Implicitly through gcc/g++ (we'll do this)

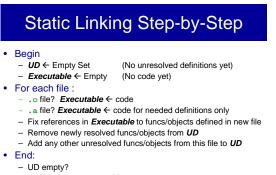
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6









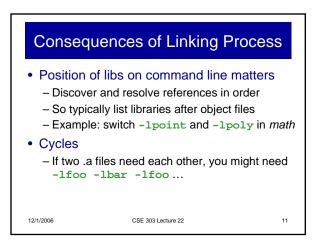
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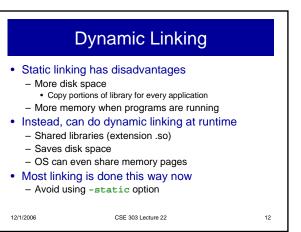


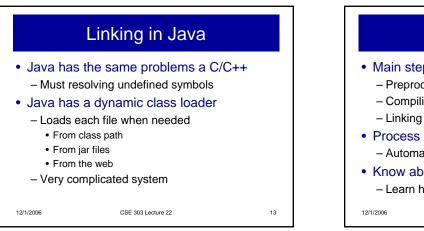


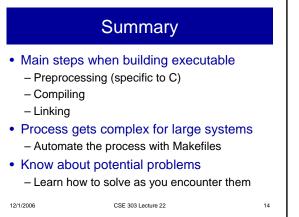
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10









	Next Time	
<ul><li>Readability</li><li>STL?</li></ul>	and Robustness	
12/1/2006	CSE 303 Lecture 22	15