CSCI 334: Principles of Programming Languages

Lecture 11: C

Instructor: Dan Barowy Williams Topics

Core C

Makefiles

Pointers + stack model = "boxes and arrows"

Storage duration

Call-by-value evaluation

Pointers: the key to abstraction

Your to-dos

- 1. Lab 6, due Sunday 10/23 (partner lab)
- 2. One more quiz (next Tue/Wed) before midterm.
- 3. Review quiz solutions if you haven't already...

Announcements

- •Midterm exam, in class, Thursday, Nov 3.
- •Colloquium: What I Did Last Summer (Research), 2:35pm in Wege Auditorium with cookies.





TA feedback







C is about memory

It uses a **model** of a computer that I call the "boxes and arrows model."

























Recap & Next Class

Today:

Basic C

Makefiles

Boxes and arrows model / pointers

Next class:

Storage duration

Call-by-value evaluation

Pointers: the key to abstraction