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6/26/00

CSE 326: Data Structures Lecture #1 June 19, 2000

Introduction C++ Templates (beginning)

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- Become familiar with some of the fundamental data structures in computer science
- Improve ability to solve problems abstractly - data structures are the building blocks
- Improve ability to analyze your algorithms – prove correctness
 - gauge (and improve) time complexity
- Become modestly skilled with the UNIX operating system and X-windows (you'll need this in upcoming courses)
 62600
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Course Activities

- · Weekly written homework
- Projects (probably 4 total)
- 3 tests (maybe only 2??), including the final exam
 Final is August 18 no exceptions!
- In-section quizzes
- Occasional, cover recent material, similar to homework exercises
- In-lecture quizzes
- Frequent, maybe even daily
- cover assigned reading for that day!

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• Some new topics

- Templates
- · some messy notation, but a powerful idea
 - · templated functions
 - · templated classes
- The Standard Template Library (STL)
 - "container" classes
 - iterators
 - · generic (templated algorithms) algorithms

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Reading for Next Time

- "Catch up" by reading review parts of chapter 1 (through 1.5)
- Templates are coved in section 1.6.
- Prepare for next two lectures by reading into chapter 2 as far as you can.
- If there was a quiz Weds, it would cover material from 1.6 and 2.1

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