Thinking Object Oriented

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2012/08/14

CS32, Summer 2012 B

Overview

- Sorting recap
- Thinking object oriented Jigsaw

Sorting recap

- Bubble sort
- Insertion sort
- Selection sort
- Merge sort
- Heapsort
- Quicksort

Jigsaw Exercise, Part 1

- Split into 6 groups (2 per chapter)
- ~15 minutes
- Discuss the key points of the chapter
- Ask questions to reinforce your understanding of the material
- Try to answer some of the end-of-chapter questions
- Take notes

Jigsaw Exercise, Part 2

- Split into 4 groups of ~6. There should be at least 1 expert for each chapter in the group.

- ~15 minutes per chapter

- Experts are to disseminate / teach the material to the other students in the group

- Ask questions to get a better understanding

- Share any interesting discussions that may have occurred in the expert group meeting

Jigsaw Exercise, Part 3

- Join back together as a class
- Discuss common themes across the chapters
- (Hopefully) answer any unanswered questions
- Share anything that you found particularly interesting

Themes

- Language as an influence of thought process
- Information hiding
- Writing reusable code
- Inheritance
- **Separation of interface and implementation**

For tomorrow

- Read chapter 10 in the C++ book
  - Review chapters 1-9 as necessary
  - Think about OO design themes in the C++ context

- The textbook is available in the library