Overview

- Preliminaries.
  - Admin.
  - Final set of exam questions.
- Status of our array-based implementation of lists.
- Basic iterator tasks.
- More complicated iterator tasks.
- Some issues.

Admin

- No readings for the rest of the week. Keep Heck Week sane!
- We’re going to try a different approach to today’s class. For each section, I’m going to give you a few minutes to sketch an answer and note any complications, then we’ll talk about them as a group.
- Upcoming extra credit opportunities
  - Learning from Alumni: Eryn O’Neil ’09
  - CS Extras: Max Mindock
  - CS Table: TBD
  - Others?

Exam Questions

- How do I get a comparator?
  
  Comparator compare = new Alphabetic(); SirTedVictoria stuff = new SirTedVictoria(156, compare);

- Why are strings with uppercase letters before strings with lowercase letters?
  
  - Because we use ASCII or Unicode
  - Because we didn’t implement our comparator with str1.toLowerCase().compareTo(str2.toLowerCase())

Status of our array-based implementation of lists

- Fields!
- prepend, append, toString
  - Clever trick for making prepend O(1) rather than O(n) [did not implement]
- Iterators will get elements out of the array, but only started
Field with index, called pos

**Basic iterator tasks**

- hasNext, advance, get. DONE
- front. DONE

**More complicated iterator tasks**

- insert. DONE
- Weird output. Explain for next class.
- Question: What does deletion do to the iterators

**Some issues**

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