CSC207.01 2013F, Class 26: Implementing Lists with Arrays

Overview

- Preliminaries.
  - Admin.
  - Exam questions.
- Status of our List Interface.
- Implementing Lists with Arrays - The Basics.
- Implementing Lists with Arrays - Some Complications.

Admin

- No readings for Tuesday. Work on the exam!
- Upcoming extra credit opportunities
  - ???

Exam Questions

- There are now at least four writing corrections and two or three code corrections. I’ve given you credit for both.
- How do arrays initialize?
  - Arrays of objects: null
  - Arrays of ints: 0
  - Arrays of Integers: probably null
- How do we compare arrays of strings?
  - Loops
  - Arrays of strings are arrays of objects.
  - Arrays.equals
- How do we know if #5 works?
  - Provide your own comparator
- How can you have a class without a constructor?
  - If you don’t specify a constructor, there’s a default zero-parameter constructor that does nothing.

Sample comparator

```java
public class Alphabetic implements Comparator<String> {
    @Override
    public int compare(String s1, String 2) {
        return s1.compareTo(s2);
    } // compare
    // Alphabetic
```

Status of our List Interface

Implementing Lists with Arrays - The Basics

Implementing Lists with Arrays - Some Complications

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