

CS 240

Data Structures and Algorithms I

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Previously...

- Defined what a **data structure** is
 - Looked at how an array is laid out in memory
 - Contiguous memory lets us compute an element's address at run-time
 - Analyzed the pros & cons of the array as a data structure
- Defined what an **algorithm** is
 - Looked at the searching problem
 - Solved the problem in Java, including a look at enhanced **for**-loops
 - Talked briefly about trade-offs involved in algorithms

Java

Priority

We must review Java

- Everyone's had different teachers, classes, etc.
- Must all be on the same page before diving in
- As a common reference point, we'll use Main's review material
 - Omit: packages, JavaDoc, clone()

Resources

- Downloads:
<http://www.oracle.com/technetwork/java/javase/downloads/>
- Documentation:
<http://download.oracle.com/javase/7/docs/api/>

In-Class Discussion

The rest of this class session will be devoted to reading, editing, compiling, and reviewing Java code.

- `TemperatureConversion.java`
- `Throttle.java`
- `TestThrottle.java`
- More if we have time