CSE 11 Accelerated Intro to Programming Lecture 13

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Announcements



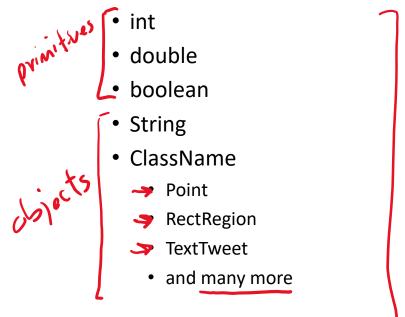
- Quiz 13 due Wednesday @ 8am
- PA4 due Wednesday @ 11:59pm
- Survey 5 due Friday @ 11:59pm

Arrays

- Arrays
 - Storing sequences of values
 - Something computers are really good at
 - Built-in way of storing data in a number of programming languages
- Things we need to know:
 - Creating arrays
 - Accessing elements in arrays
 - → How Java uses arrays

Creating Arrays

• So far, we've seen a number of different data types in Java



Type Datatype

- Arrays are a new kind of data type
- To create an array, we need to use a new kind of syntax

Access Elements in Arrays

- How to access the first number in the array?
- What about the second number?

More Arrays

- Can we make an array of Strings?
 - If so, how?

Another Array Feature

- What if we wanted to know how many elements were in an array?
 - How could we do that?

Method that Works with Arrays

- Write a method that is going to take an int array as a parameter and return a boolean
 - Return true if the array has no elements in it and false otherwise

Memory Models (Diagrams)

- Whenever we introduce a new Java feature:
 - We write some Java code
 - We also draw pictures memory models (memory diagrams)
 - To understand what happened