


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

• int

• double

• boolean

• String

• ClassName

• Point

• RectRegion

• TextTweet

• and many more

Type
Data type

- 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