

# CSE 11

# Accelerated Intro to Programming

## Lecture 13

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# Announcements

- PA7 released today, due Thursday @ 11:59pm
  - Longer PA – start early!!
- PA4 & PA5 resubmissions due Friday @ 11:59pm
  - No tutoring hours on Friday
- Piazza questions
  - Good for – clarification questions, content questions
  - Bad for – debugging or gradescope submission help
- Exam 2
  - Friday – releasing at 12am
    - Due Saturday @ 4pm

# Array with Objects

- No new programming language feature here
  - Just a new idea
    - We can store references to objects that we created from our classes inside an array
    - And the same rules are followed by Java

# Array Construction

- `<type> <name> = new <type> [<count>];`
  - Produces a new array of `<type>` with `<count>` elements and returns a reference to it

# Array Update

- `<array>[<index>] = <new value>;`
  - Array update/assignment/expression/statement

# Default Values

- Java has this idea of default values
  - int – 0
  - boolean – false
  - double – 0.0
  - String – null
    - Java has this special value called null
      - null is a value just like integers are values

# Generics

- Generics
  - Parametric Polymorphism
- <T>
  - Parameterized type
  - Can be used:
    - In front of method
    - After class/interface name

# Challenge

- Add a new method `countUserIsUCSD`
  - That counts how many tweets in an array were tweeted by the “ucsd” user