CSE 11
Accelerated Intro to Programming
Lecture 17

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Announcements

- PA9 due Thursday @ 11:59pm
  - No resubmission
- PA5 resubmission due Wednesday @ 11:59pm
- PA6, PA7, PA8 resubmission due Friday
  - No tutor hours available on Friday *or Saturday*
- Final Exam
  - Friday – releasing at 12am
    - Due Saturday @ 11:59pm

Worst   Best
5%   10%   15%

Must pass FE or (E1 and E2)

Datatypes

- Whole numbers
  - int – 32 bit
  - long – 64 bit
  - short – 16 bit
- Floating point numbers
  - float – 32 bit
  - double – 64 bit
- boolean
- char
- byte

Equality

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- ==
- checkExpect(_____ , _____)
- .equals(_____)

More Equality

- Arrays.equals(_____)

instanceof

- <name> instanceof <type>
  - Where <type> could be a class or interface
- What instanceof does
  - is it takes a value and a class and it checks if that values class is below the given class in the class hierarchy
    - returns true if it is
    - returns false if it's not

Casting

class A {}

class C extends A {}

A aValue = new C();

C cValue = (C) aValue;

toString()

- It's often useful for us to define our own toString method on classes that we make if we want to be able to see their output
- The default toString isn't really helpful as it only shows the name of the class with the reference in it
- It's usually really helpful to be able to print out the contents of a class

Access Modifiers

- public

- <no modifier>
  - default

- private

- protected