CSE 11 Accelerated Intro to Programming Lecture 17

Greg Miranda, Summer 2 2021

Announcements Thased on PAT

- PA9 due Thursday @ 11:59pm
 - No resubmission
- PA6, PA7, PA8 resubmission due Friday @ 11:59pm
 - No tutor hours available on Friday
- Final Exam
 - Friday releasing at 12am
 - Due Saturday @ 4:00pm

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

Equality

- ==
- 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