

# For Wednesday

- Read Chapter 2, section 3
- Recommended homework problems:
  - pp. 124-125, exs 2.1-2.3

Questions before the quiz?

# Quiz

# Exceptions

- What's the basic idea?
- When do we see exceptions?

# Checked vs. Unchecked

- What's the difference?
- Which are the unchecked exceptions?

# Catching Exceptions

- try—catch—finally

# Exception Practice

- We have an array of Employees. We ask the user which Employee they want to see. We'll print the appropriate Employee(using its print method). We want to set up our code using a try-catch to print an error message and continue gracefully if the index the user gives us is not valid. (This produces an `IndexOutOfBoundsException`.)

# Files and Exceptions

# The Throws Clause

- What is it?
- When do you use it?
- Why does Java require it?

# Throwing an Exception

- Why do this?
- How do we do this?
- Creating your own exception class vs. using an existing exception class

# Testing

- Why test?

# When Do We Test?

# Types of Testing

- White box vs. black box
- Unit testing
- Integration testing
- Acceptance testing

# Test Coverage