Java is Object-Oriented

- OO is a system for writing code that has properties highly valued by software engineers.
- Those properties are:
  - Code reuse
  - Modularity
  - Data abstraction
- It is sometimes said (incorrectly) that OO is about “modeling the real world.”
- OO is a very big topic, and it takes awhile to master all the pieces.
- For now, we are going to focus on data abstraction.

If you don’t understand all these words just yet, don’t worry.

Topics

- Quiz Answers
- Program design
- Program logic in Java
- Scanner

Your to-dos

1. Reminder: lab meeting tomorrow, in person.
2. Lab 1, due Tuesday 2/15 by 10pm.
3. Read before Fri: Bailey, Ch 1.5-1.10.
4. Study for quiz on Friday
Quiz Solutions

True or false: lab attendance is mandatory in this course

True (100% got this)

What should you do if you need to take a late day for a lab?

Fill out the "late day" google form (96% got this)

Which of the following activities are typical for the out-of-lecture workload for this course?

Complete the assigned reading
Review materials for quizzes and exams (98% got this)
Complete the weekly labs

Nim

• Game starts with random piles.
• Each player removes one or more objects from ONE pile.
• The last player to remove the last object wins.

Let’s build this together
Recap & Next Class

Today:

• Program design
• Program logic in Java
• Scanner

Next class:

• Classes and objects