CS 211: Review

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Week 7-1
Logistics

This Week

- Review (Mon)
- Exam 1 (Wed)
- Lab 7 Exercises
- Midterm Survey Feedback

Goals Today

Exam Review + Game
What resources are available while taking Exam 1?

- Notes
- Textbooks
- Compiler
Exam 1 Topics

Every PL

- Comments
- Statements/Expressions
- Variable Types
- Assignment
- Basic Input/Output
- Conditionals (if-else)
- Iteration (loops)
- Aggregate data (arrays, structs, objects, etc)
- Function Declarations
- Library System

General and Java Concepts

- Basic Memory Diagrams
  - Stack, Heap
    - static, not static
- Deep and Shallow Equality
- Overloading Methods
- Creating Classes
- Inheritance
- Overriding Methods
- Dynamic Dispatch
- Abstract Classes

Questions on any of these?
A quick demo for those not in the know: A famous game, watch from 1:30-4:00

- YouTube Link
- First to buzz in answers
- Question right: gain points
- Question wrong: lose points
- Get it right, pick next question
- Can pick anything available on the board
- Higher point values are "harder" questions
Java Jeopardy

Problems

▶ More than 3 players
▶ No buzzers
▶ Harder Questions

Solutions

▶ Answers are NOT in the form of a question (unless specified)
▶ Write your answer on a piece of paper
▶ "Buzz in" by putting your paper in the air (must stop writing)
▶ I will assign ranks 1,2,3
▶ Correct answers get points for ranks 1,2,3
▶ Wrong answers lose points for ranks 1,2,3
▶ One of rank 1,2,3 describes correct answer
▶ Highest rank correct answer picks next question