CS 211: Review

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Week 7-1
Logistics

This Week

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

Goals Today

Exam Review + Game
Brief Debate

What resources should be 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?
Jeopardy

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