CS 211: Review

Chris Kauffman

Week 7-1
Logistics

This Week

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

Goals Today

Exam Review + Game
Open Resource Exam Rules

- Silence your devices
- Keep device screens visible to instructor
- Protect your work from theft
- You may be asked to show your GMU ID

Can Use, physical or electronic

- Notes
- Textbook(s) (online ok)
- Editor
- Compiler
- IDE
- Javadocs
- Locally stored webpages
- Dictionary

Cannot Use

- General Internet
- Piazza
- Downloaded applets
- Chat
- Texting
- Communication with anyone but Instructor/Proctor

If you aren’t sure of something, ask
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

Questions on any of these?

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
A quick demo for those not in the know: A famous game, watch from 29:00-31:00

- **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