Talk to your neighbors:

What’s the first thing you’ll do after finals are over? (Sleep is obvious...)

Music: [122 24sp Lecture Tunes](#)
Lecture Outline

• Announcements

• Exam Logistics

• Review

• How to Study
  - Mind Maps

• Example Problems
Announcements

• Last few sessions of classes!
  - Quick overview of class today!
  - Victory lap + AMA on Friday

• Creative Project 3 (C3) currently out
  - Due Friday, March 8th by 11:59 PM

• Resubmission Cycle 7 (R7) opens tomorrow, Thurs May 30
  - Due Tuesday, June 4 by 11:59 PM
  - Open to all previous assignments

• Provide feedback!
  - Course evaluations: https://uw.iasystem.org/survey/290992
  - CERSE survey
  - TA evaluations

• Gumball (& friends) visit on Monday, June 3 1:30pm – 3:30pm
  - Hanging out around Drumheller fountain + Rainier Vista
Announcements

• Final Exam Review: **Tuesday, June 4 4:30-7:00pm**
  - Led by TAs
  - First half: time to work on practice exam with TAs in room
  - Second half: TAs going over exam, giving tips
  - Likely recorded, we’ll update if this isn’t the case!

• Final Exam: **Thursday, June 6 8:30 – 10:20 AM**
  - Preliminary details are [up on the course website](#)
  - Seating chart has been posted
  - Already up:
    - Final Exam Study Guide/Resource Bank Document
    - Past & Practice Exams
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Exam Format

• 6 questions in total, each will receive one ESN grade
  - Some questions might have sub-parts
  - Reminder: Quiz and Exam grades are all mixed into the same bucket

• General format
  - 3 Questions: Mix of Conceptual, Mechanical/Tracing, Debugging Problems
  - 3 Questions: Programming Problems

• See sections for the last 2 weeks for practice handwriting problems
Exam Logistics

Most important bits

• Thursday June 6 from 8:30 – 10:20 AM in KNE 120
• Seat assignments posted on the course website
• Don’t cheat
  - Only have the exam open during the time (don’t start early; don’t work after)
  - No electronic devices
• You can bring one 8.5x11 inch paper with notes (front and back)
  - Will also provide a reference sheet (see course website)

Questions? Raise hand or as on slido (cse122)
# Review So Far

## CS Concepts
- Problem Solving
- Functional Decomposition
- Debugging
- Testing
- Third Party Libraries*

## Java Language
- File I/O
- Iterators and For-each Loops
- Exceptions
- Reference Semantics
- JUnit*

## Data Structures
- ADTs
- Lists
- Stacks
- Queues
- Sets
- Maps

## Java Collections
- Arrays / 2D Arrays
- ArrayList
- LinkedList
- Stack
- TreeSet / TreeMap
- HashSet / HashMap
- Interfaces for Collections

## Object Oriented
- Instance variables
- Instance methods
- Interfaces
- Abstraction
- Encapsulation
- Client/Implementer
Review Resources

• Final Exam Resource Bank
• Pre-Class Materials + Lectures
• Section Handouts
• Quizzes so Far
• Your Notes!
  - Helpful for contextualizing what you learned
• Practice final exams
• Practice it
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Study Strategies

• Study Early and Often
• Stay Healthy
• Study Like you Test
• Connect Problems: How is one problem similar/different to another?
• Mixed Practice vs. Massed Practice
• Embrace Difficulty
• Reference Sheet: Iterative Refining
Mind Maps

• One of the most important parts of learning is **relating** concepts to each other
  - Almost all learning is contextual: based on relating one thing to another
  - **Transfer** is challenging!

• **Mind Maps** empower you to write out how topics relate to each other. Concretizing relations.

• Can be incredibly helpful when reviewing and can be a great resource for looking back at this class
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