

LEC 19

CSE 122

Putting It All Together (Review)

Questions during Class?

Raise hand or send here

sli.do #cse122



BEFORE WE START

Talk to your neighbors:

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

Music: [122 24au Lecture Tunes](#) 🍂


Instructors

Elba Garza and Miya Natsuhara

TAs

Ayush	Heon	Harshitha	Aishah
Andrew	Izak	Marcus	Ben
Logan	Colin	Carson	Ivory
Kyle	Jessica	Jack	Cady
Maggie	Shivani	Connor	Diya
Nicole H	Ken	Cora	Katharine
Caleb	Mia	Hannah	
Nicole W	Ashley	Leo	
Jacob	Chaafen	Anyia	

Lecture Outline

- **Announcements** 
- Exam Logistics
- Review
- How to Study
 - Mind Maps


Announcements

- Last couple sessions of classes!
 - Quick overview of class today!
 - Victory lap + AMA on Friday
- Creative Project 3 (C3) currently out
 - Due Tomorrow, Thursday, December 5th by 11:59 PM PT
- Resubmission Cycle 7 (R7) opens tomorrow, Thurs Dec 5
 - Due Tuesday, Dec 10 by 11:59 PM PT
 - Open to all previous assignments
- Provide feedback!
 - Course evaluations:
 - Section A: <https://uw.iasystem.org/survey/297869>
 - Section B: <https://uw.iasystem.org/survey/297870>
 - TA evaluations: <https://tinyurl.com/24au-12x-evals>
- Gumball & Gigi visit on **Monday, Dec 9 1:00pm – 3:00pm**
 - Hanging out around Drumheller fountain + Rainier Vista

Announcements

- **Final Exam Review: Tuesday, December 10 4:30 – 6:50 PM**
 - 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, December 12 12:30 – 2:20 PM**
 - Preliminary details are [up on the course website!](#)
 - Seating chart will be posted soon!
 - Already up:
 - Final Exam Study Guide
 - 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 & KNE 130
- Seat assignments to be 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 (or A4) paper with notes (front and back)
 - Will also provide a reference sheet (see course website)

Questions? Raise hand or as on sli.do (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

- Pre-Class Materials + Lectures
- Section Handouts
- Quizzes
- Your Notes!
 - Helpful for contextualizing what you learned
- Practice final exams
- Practice it

Lecture Outline

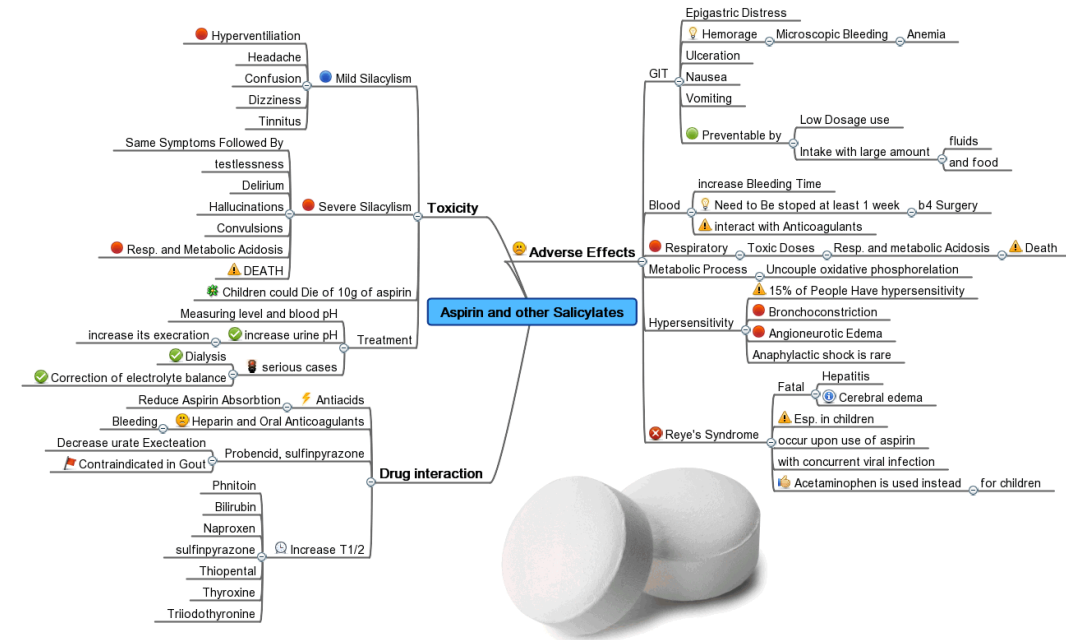
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Study Strategies

- 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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