

LEC 18

CSE 122

Putting It All Together (Review)

Questions during Class?

Raise hand or send here

sli.do #cse122



BEFORE WE START

Slido chat & talk with neighbors:


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

Music: [122 25wi Lecture Tunes](#) 

Instructor: Elba Garza

TAs:	Anya	Daniel Ryan	Ken	Nicole
	Ashley	Diya	Kuhu	Nicole
	Cady	Elizabeth	Kyle	Niyati
	Caleb	Hannah	Leo	Sai
	Carson	Harshitha	Logan	Steven
	Chaafen	Ivory	Maggie	Yang
	Colin	Izak	Mahima	Zach
	Connor	Jack	Marcus	
	Dalton	Jacob	Minh	

Lecture Outline

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


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 14th by 11:59 PM
- Resubmission Cycle 7 (R7) opens tomorrow, Thurs Mar 13
 - Due Tuesday, March 18th by 11:59 PM
 - Open to **all** previous assignments
- R8 info coming soon!
- Provide feedback!
 - Course evaluations: [Section A](#) & [Section B](#)
 - TA evaluations
- Gigi (& friends) visit on **Monday, March 17th 12:00pm – 2:00pm**
 - Hanging out around Drumheller fountain + Rainier Vista

Announcements

- **Final Exam Review: Monday, March 17 TBD**
 - 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: Wednesday, March 19 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/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
- See your quizzes too!

Exam Logistics

Most important bits:

- Wednesday March 19 from 12:30 – 2:20 PM in KNE 120/130
- Seat assignments will be posted soon!
- **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 so Far
- Your Notes!
 - Helpful for contextualizing what you learned
- Practice final exams
- Practice it

Lecture Outline

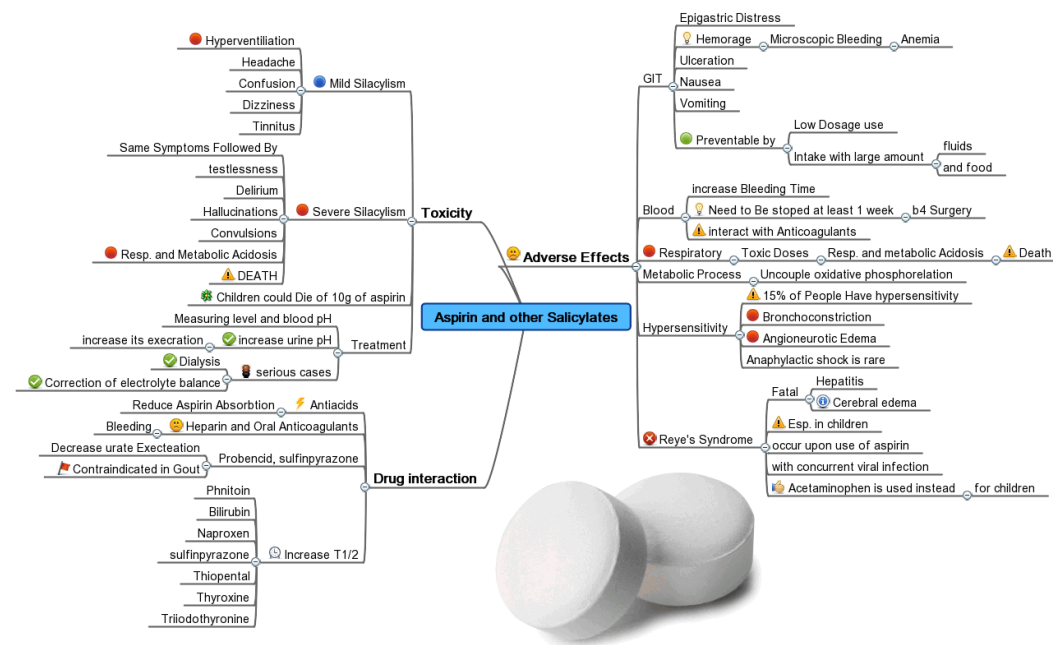
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Study Strategies

- 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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