

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 songs should we put on our CSE 122 25Au final exam grading playlist?

Music: [122 25au Lecture Tunes ?](#)


Instructors

Elba Garza

TAs

Sreshta	Merav	Shivani	Yang
William	Nicole	Naomi	Cady
Arjun	Vrinda	Hanna	Diya
Dani	Shreya	David	Katharine
Rohan	Wesley	Sushma	
Andrew	Isis	Rio	
Saachi	Colin	Nicolae	
Ava	Medha	Ivory	

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 4th by 11:59pm PT
- Resubmission Cycle 7 (R7) opens tomorrow, Thurs Dec 4
 - Due Tue, Dec 9 by 11:59pm PT
 - Open to all previous assignments
- Resubmission Cycle 8 (Section Participation bonus) opens soon
 - More info being sent to those who qualified!
- Provide feedback!
 - Course evaluations:
 - Section A: <https://uw.iasystem.org/survey/313868>
 - Section B: <https://uw.iasystem.org/survey/313864>
 - TA evaluations: <https://tinyurl.com/cse12x-au25-ta-evals>
- Gigi visit cancelled :'(

Announcements

- **Final Exam Review: Friday, Dec 5 4:30 – 7:00pm in BAG 131**
 - 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: Monday, Dec 8 12:30 – 2:20pm in KNE 120/130**
 - 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

- Monday December 8 from 12:30 – 2:20pm 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

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- Announcements
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- **How to Study** 
 - Mind Maps

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

