Welcome to CSE 123!

Hitesh Boinpally Summer 2023

- About us
- About this course
 - Learning objectives
 - Other similar courses
 - Course components
- Our learning model

- Tools and resources
 - Course Website
 - Ed
 - IntelliJ
- Assessment and grading
- Collaboration

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Hi, I'm Hitesh! (he/him)

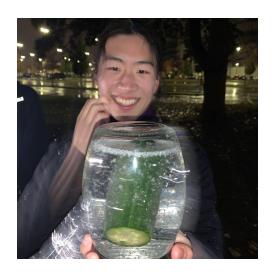
- 5th Year Master's Student in CS
- Intro TA for 8 quarters
 - CSE 143
 - CSE 122
 - CSE 123
- First time instructor!
- Office Hours: Tuesdays 1-3pm
 - CSE1 216 and on Zoom



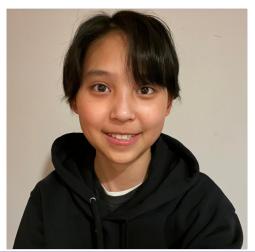
Meet your 8 TAs!

















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Learning Objectives

or, "What will I learn in this class?"

Seven themes:

- Computational Thinking
- Code Comprehension
- Code Writing

- Communication
- Testing
- Debugging
- Ethics/Impact

Prerequisite Knowledge

- Comfort with control structures
 - loops, conditionals, methods/functions
- Experience with using basic data structures
 - arrays, lists, sets, maps
- Experience with console and file input/output
- Exposure to simple object-oriented programming
 - classes, interfaces
- Programming experience in Java
 - Or willingness to pick up on your own

Other Similar Courses

Course	Good choice if
CSE 123	 You done a fair bit of programming, at least some of which is in Java AND You are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming OR You're interested in creating software (whether as a hobby, side-gig, career, etc.)
CSE 122	 You've done some programming (roughly one course worth) in any programming language AND You are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming
CSE 143*	You took CSE 142 at UW, at a community college, or through UW in the High School
CSE 163	 You're interested in data science and analysis OR You want to learn Python* OR You are, or want to be, in a major such as Physics, Bio, Stat, etc. where analyzing data through programming is useful
CSE 154*	You're interested in web development (HTML, CSS, JS)

See <u>Guided Self-Placement</u> and <u>Introductory Courses</u> for more info

^{*} Not offered this summer



Help Us Improve!

- CSE 123 is still brand new!
- We worked hard to build a course we think will be effective and supportive and help you succeed
- We probably didn't get it all right
- We appreciate your patience and understanding if we need to make adjustments during the quarter
- Please give us lots of feedback!
 - Post on Ed and/or use the Anonymous Feedback Tool

Course Components

Lessons (aka Lectures)

- WF, 10:50
- Held live on campus; recordings released after
- First introductions to course concepts
- Mix of presentation of content and practice activities/problems
- Required (but not graded) prework for most sessions

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Sections

- TuTh, various times
- Led by TAs
- Held live in person; not recorded
 - Materials will be released online afterwards
- Additional review, discussion, and practice
- Mostly practice problems

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Attendance is not taken, but you are responsible for all material (including announcements).

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Digression: A Pandemic Hobby

Amigurumi: Japanese art of creating crocheted or knitted stuffed toys



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Course Culture and Support

- Currently almost 100 students enrolled!
 - Wide range of backgrounds, interests, and goals
- Support and help each other!
 - Form study groups
 - If you have a question, others almost certainly do too
- Lots of ways to get support from us
 - Message board, IPL, section

Course Culture and Support

- Policies designed with flexibility in mind
 - Resubmissions/Retakes, lecture recordings, etc.
- But life and the world still happen...
- **Please reach out ASAP** if you're struggling or have circumstances that require extra support

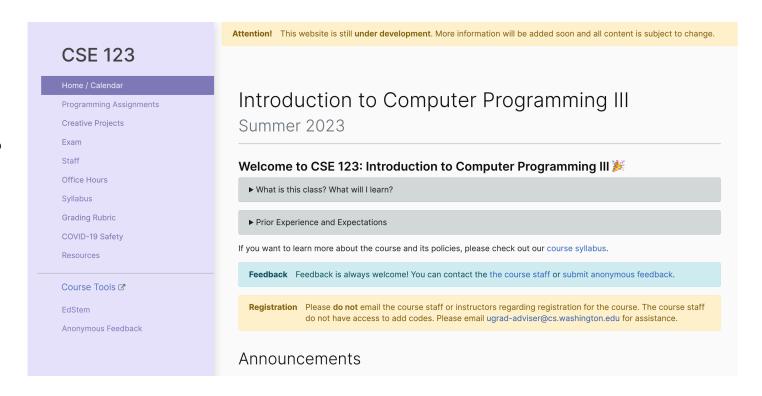
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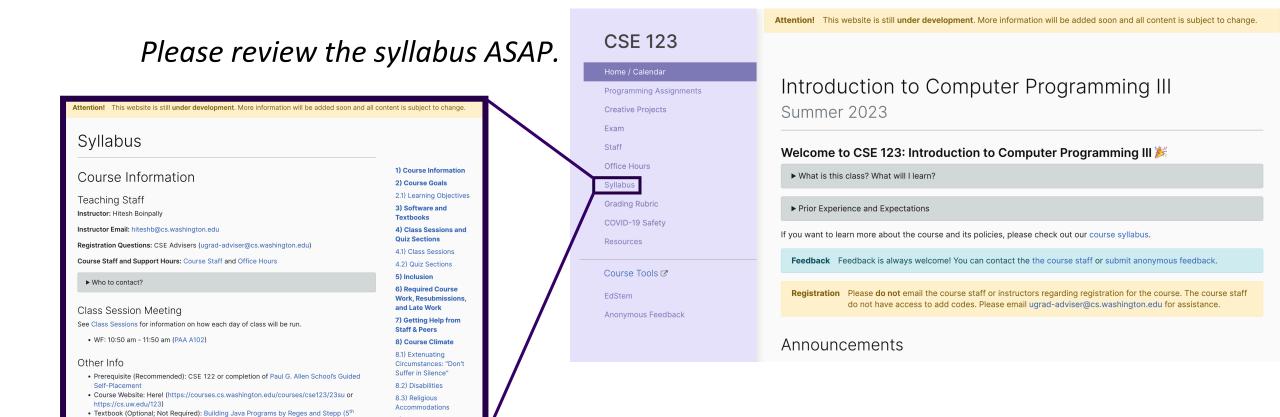
cs.uw.edu/123

- Primary source of course information (not Canvas)
- Calendar will contain links to (almost) all resources



Course Website

9) Grades



Ed

CSE 123

Home / Calendar

Programming Assignments

Creative Projects

Staff

Office Hours

Syllabus

Grading Rubric

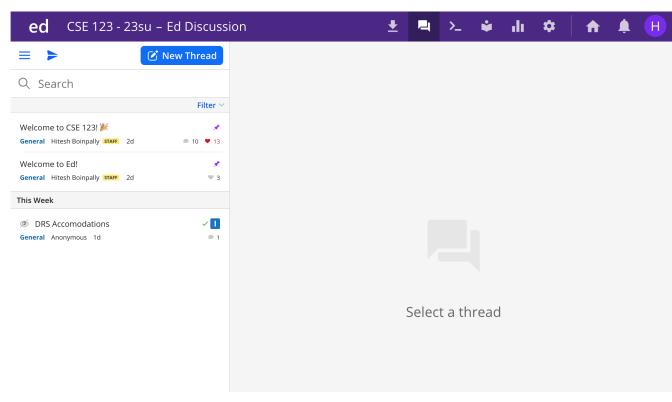
COVID-19 Safety

Resources

Course Tools & EdStem

Anonymous Feedback

- Our online learning platform
- Lessons, sections, assignments posted
 - Linked from calendar
- Submit graded work
- Receive/View feedback
- Message board
 - Including announcements



IntelliJ

- Integrated Development Environment (IDE)
- Used in the "real-world" to develop programs
- Scary at first, but makes debugging <u>much</u> easier
 - Especially with data structures

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Assignments and Grading

- Our goal in the course is for you to gain proficiency the concepts and skills we teach
- We assess your proficiency by asking you to apply the concepts and skills on tasks or problems
- By necessity, we are assessing your *work* as a proxy for your proficiency

Assignments

- Your learning in this course will be assessed in four ways:
 - Programming Assignments (~biweekly, 4 total)
 - Structured programming assignments to assess your proficiency of programming concepts
 - Creative Projects (~biweekly, 3 total)
 - Smaller, more open-ended assignments to give you space to explore
 - Quizzes (3 total, take-home)
 - Series of problems covering all material up to that point
 - Final Exam (Thursday, August 17 and Friday, August 18)
 - Final, culminating assessment of all your skills and knowledge

Resubmission/Retakes

Learning takes time, and doesn't always happen on the first try

- One previous Programming Assignment or Creative Project can be resubmitted each week
 - Must be accompanied by a write-up describing changes (via Google Form)
 - Grade on resubmission will replace original grade
 - Each assignment should only be resubmitted once
- See the <u>syllabus</u> for more details

Grading

Grades should reflect your proficiency in the course objectives

- All assignments will be graded E (Excellent), S (Satisfactory), or N
 (Not yet)
 - Under certain circumstances, a grade of U (Unassessable) may be assigned
 - In some cases, not all grades will be given
- Final grades will be assigned based on the amount of work at each level
- See the syllabus for more details

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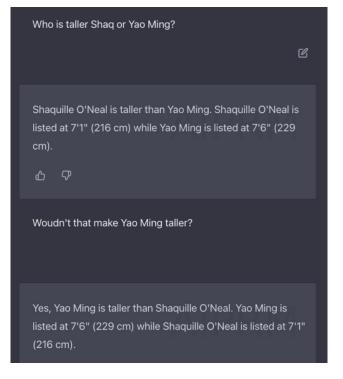
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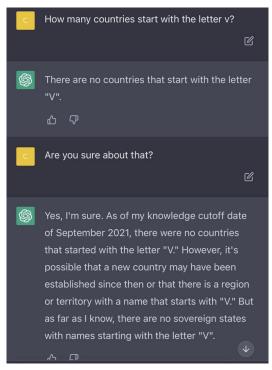
Collaboration Policy

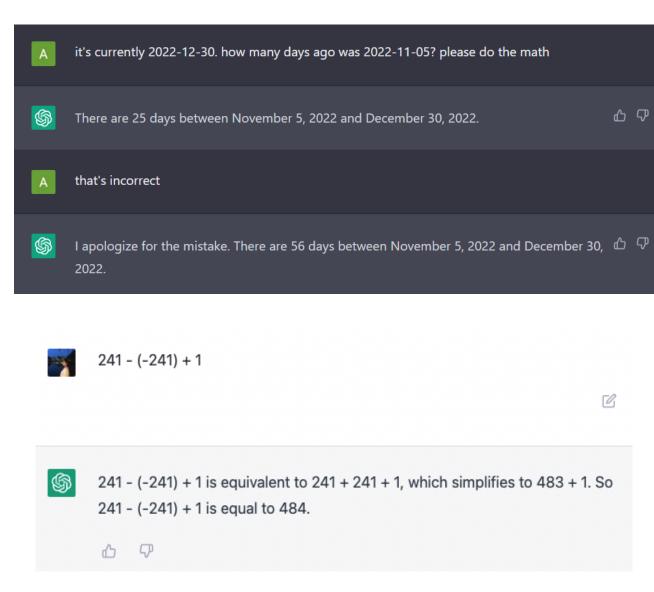
Learning is hard, but it's easier when you learn from each other

- You are encouraged to form study groups; work together on pre-class work, practice and review; and discuss your ideas and approaches
- All work you submit for grading must be predominantly and substantially your own
- Work that violates policy may be withdrawn within 72 hours
- See the <u>syllabus</u> for more details

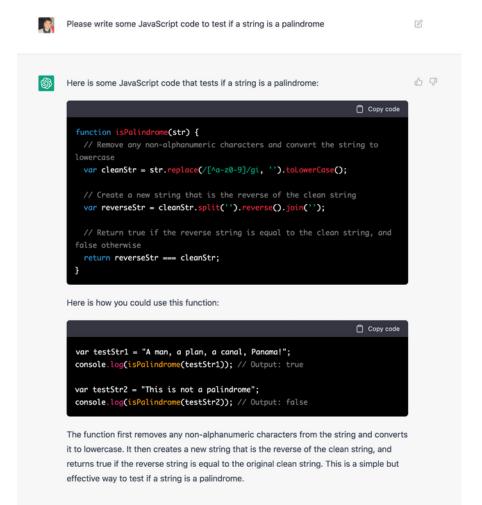
Quick aside: Chat GPT

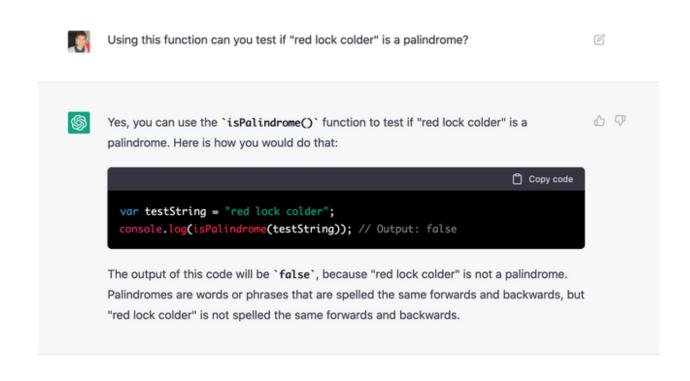






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We're excited for the quarter!

