Welcome (back) to CSE 121!

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Autumn 2022

Music: Hunter and Miya’s Awesome CSE 122 22au Playlist
Plan for Today

- Announcements, Reminders
- Types and Simple Expressions
  - (Review from the Pre-Class Work)
  - int, double, String, boolean
  - Operators
  - Precedence (order of operations)
- Practice!
  - Work with folks around you!
  - TAs and I will be wandering around 😊
Announcements, Reminders

• Please fill out the [Welcome Survey](#) if you haven’t done so already!
  • ~50% have responded so far
• Creative Project 0 is due tomorrow night! (Thurs, Oct 6)
• IPL is open!
  • Schedule and instructions can be found on the [course website](#).
• Reminder: Pre-Class Work and Section work are not graded (but you should do them anyway 😁)
• Reminder: Check out the [Syllabus](#) and [Generic Rubric](#) for info about grading in this class.
Questions

For logistical questions, post on the Megathread for today’s lecture!
(Members of the course staff will be monitoring)

For questions for me during class, raise your hand or submit a questions anonymously:

or visit: https://sli.do

and use #cse121
Types in Java

• ints (whole numbers)
• doubles (real numbers)
• Strings
• booleans (true or false)
Operators (for numerical and String values)

- + Addition
- - Subtraction
- * Multiplication
- / Division
- % Modulo or “Mod”
- + Concatenation
Precedence

- Parentheses
- Multiplication, Modulo, Division
- Addition (and Concatenation), Subtraction

If multiple operators at the same level of precedence?

Evaluate subexpressions from L to R
Work on Expressions/Types Practice Problems

Part 1

• Ed lesson linked from the course calendar
• Work with the folks around you!
• TAs and I will be walking around to help
Mixing Types

• When mixing types in an expression, Java will convert one type to the other and then perform the operation “normally”

• ints can be converted to doubles

• Both ints and doubles can be converted to Strings
Work on Expressions/Types Practice Problems

Part 2

• Ed lesson linked from the course calendar
• Work with the folks around you!
• TAs and I will be walking around to help
Boolean Operators

• ! Logical Not
• < > <= >= Relational Operators
• == != Relational Operators (equality)
• && Logical And
• || Logical Or
Work on Expressions/Types Practice Problems

Part 3

• Ed lesson linked from the course calendar
• Work with the folks around you!
• TAs and I will be walking around to help