Meeting 11: Operational Semantics



AS FAR AS I'M CONCERNED, IF SOMETHING IS SO COMPLICATED THAT YOU CAN'T EXPLAIN IT IN 10 SECONDS, THEN IT'S PROBABLY NOT WORTH KNOWING ANYWAY.







Today

- Your questions on Lab 3
- · Operational semantics

Announcements

- COG submission workaround for "Username not found" (prevents your score from being written to moodle). Message us if you have this issue.
- Spencer: Wed 9/28, 7-8pm, MUEN D144
- Lab 3 out and due Fri 9/30 to Sat 10/1. Cheel 2 in the Fri 9/23 to Sat 9/24.
- Lab 3 in-class exercise, Tue 10/4 -
- Midterm, Thu 10/6

- term week.
- No interviews or labs out during midterm week.
- Lab 3 interviews following week of 10/10
- Allowed: 1 side of letter-sized paper (8.5"x11") handwritten "crib sheet" created by you
- Prof. Chang is traveling next week Tue 10/4 and Thu 10/6. Conduct class by video on Tue 10/4.

Lab 2 Interviews

Reminder: to help you understand what you understand and don't understand for the midterm. If you didn't do well, please come see us.

Lab 3 builds on Lab 2 (and Lab 4 builds on Lab 3), so keep working at it. Even if you miss submission (for submission), keep working at it.



arstons osubstitute -function ASI Erett - eval - type errot (rule -) cole) · Do Const - , n notes stp - propagate · Searh Call Lang Egec understand _ vse /programmer _ implementer -disigner semantics 4 1+3 Htme

((1 # 2) # 3) \$ 4 1) syntactil - reading as a tree o precedence. associativity (2) Semantiz o evaluation order e, # e2 prints "I am f" f() +g() prints "I am g"

are free of side offects (= pure), then can't see the effect of evaluation order -> referentially transprent

Dig-ohp 5 re UV relation between and their values all I define is what the result is Smill - Step و بوا 1 _____ relation between single of upon of evaluation (or reduction) this allows me to define evaluation order =" how I evaluate to fort g() a value"