



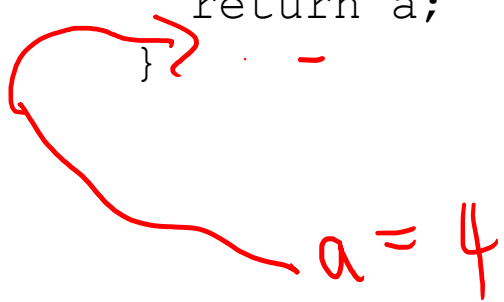
Check-in

Translate the following Jeff code to 3AC

```

fn : () int f{
  int a;
  a = 1 + 2;
  return a;
}

```



a is a local of 8 bytes

enter f

[a] := 1 PLUS 2

setret [a]

goto leave_1b1

leave_1b1: leave f



○ Administrivia

P4 due tonight



○ Administrivia

Quiz 2 on Friday

Review session tonight 6:30 – 8:30

- Learned 2133
- Zoom: <https://compilers.cool/zoom>

- 6 pizzas

no bacon



○ Administrivia

- Midpoint review!



○ Midpoint Review



- Time for a little self-reflection



○ Midpoint Review

Feedback Breakdown



○ Positive Feedback



- Thanks!
- Probably not going to dwell on this much here
 - Will keep doing review sessions
 - Will keep doing 1 flipped lecture a week
- If there's something further I can do to improve, do let me know!



○ Negative Feedback



- Thanks for this as well!
- I did read all of the feedback, even if I'm not addressing it here
 - Try to make small tweaks where possible



○ Course Pace



12%
Way too fast

70%
A little too fast

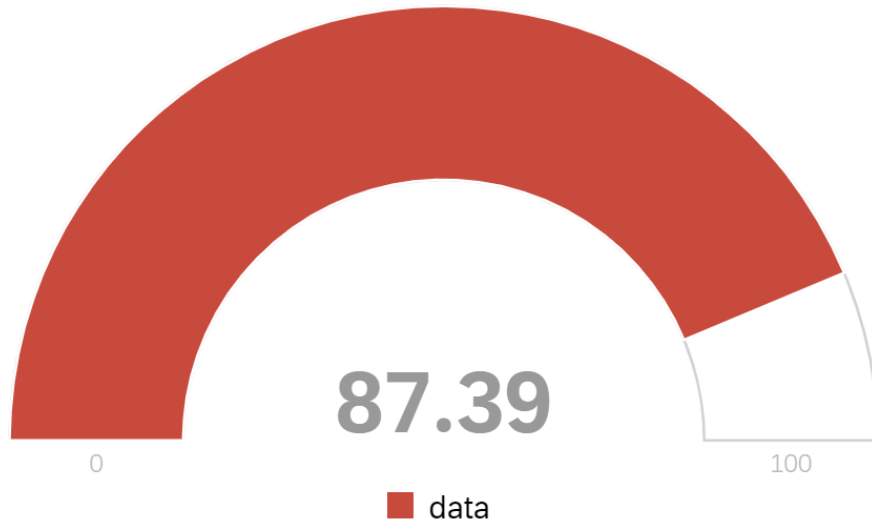
18%
Perfectly paced



○ Course Workload



How much work is the course?



- Not-Sure-How-to-Handle Feedback



Some of these comments confused me a bit, mostly in terms of what to do



○ Flipped Lectures



Some people really don't like them!

- Experiments suggest that making written work entirely optional yields worse understanding



- Lab Deadlines



“Make labs due a week after your lab session instead of on Monday so everyone gets same amount of time to work on them.”



○ Lab Videos



“[...] can be hard to follow [...]”

“[...] too much detail [...]”

“The labs sometimes overwhelm me [...]”

“I wish that the labs & lab videos would be go into a bit more detail.”



- Project Deadlines



“I wish the project deadlines fell on the same day [...]”



- Fixes

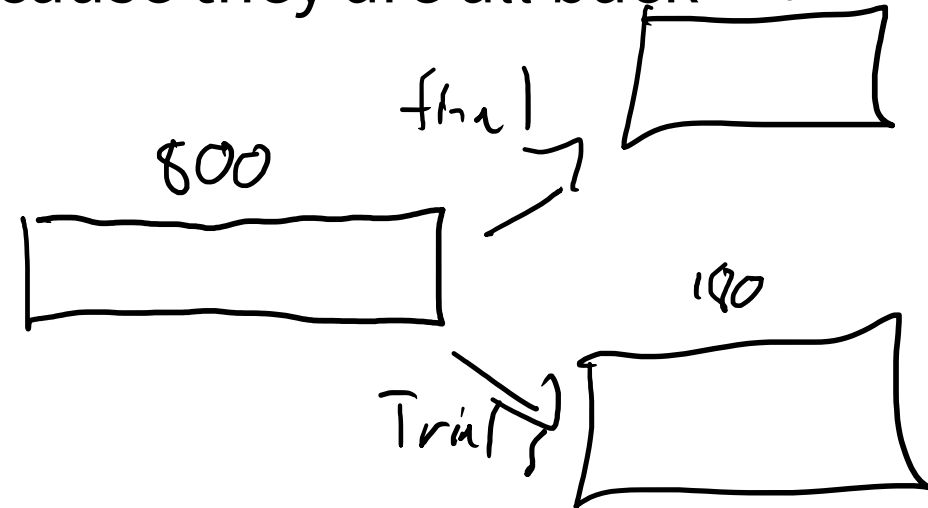


○ Workload



A lot of the workload comments centered around the projects

- Somewhat difficult to extend the projects because they are all back to back 200
- Solution: “cancel” Project 8
 - Allows more room for P5 – P7
 - It will still be available as a Dragon Trial



○ Labs

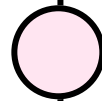
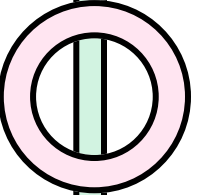


Not entirely sure what to do here

- Somewhat difficult to extend the projects because they are all back to back
- Solution: “cancel” Project 8
 - Allows more room for P5 – P7
 - It will still be available as a Dragon Trial



**FLIPPED
WEDNESDAY**



○ Written Work #6

Topics:

- Type Analysis
- Name Analysis



○ Written Work #6: Question 1

How does the symbol table need to be augmented to support typedefs?



○ Written Work #6: Question 2

What should be done to process a typedef `typedef T xxx;` in name analysis and type analysis?



○ Written Work #6: Question 3

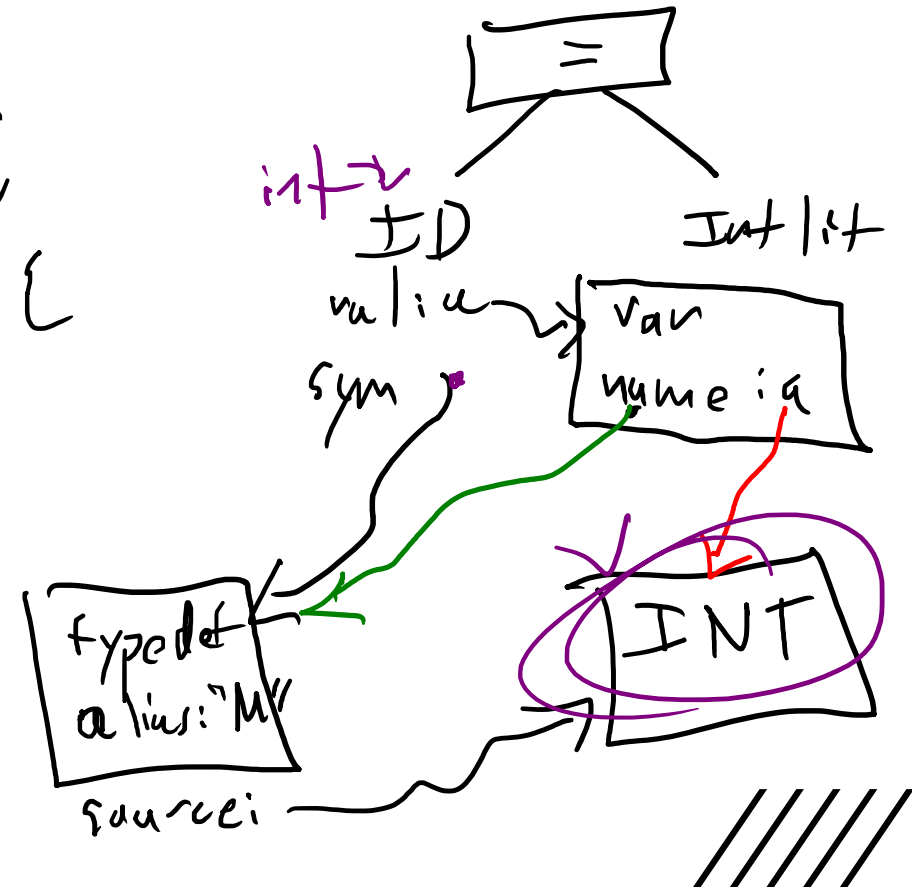
What should be done to process a declaration of a variable, function, or parameter named xxx and declared to be of type T in name analysis and type analysis?



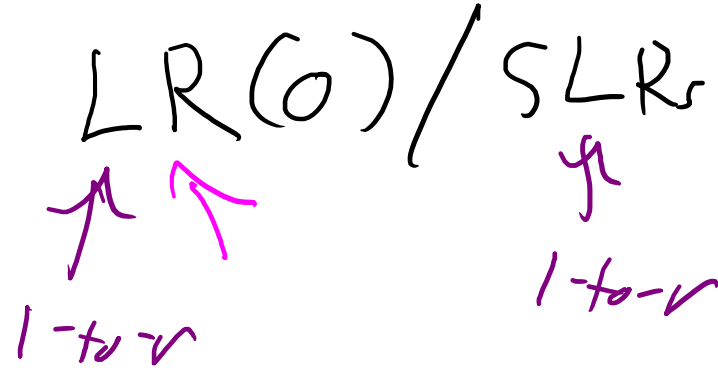
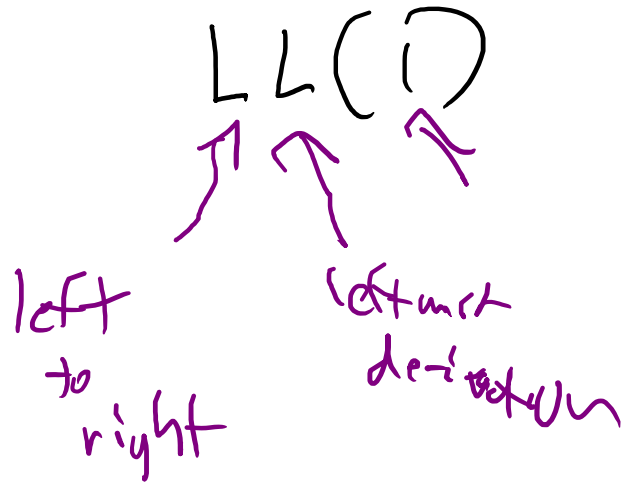
Written Work #6: Question 4

What should be done to process the use of a name xxx in a statement in name analysis and type analysis?

```
typedef int M;  
fn: () int main {  
    M a;  
    a = 4;  
}
```



● Mini-Review



$A ::= B C$
 $B ::= x$
 $C ::= y$

