CS61A

HIGHER-ORDER FUNCTIONS

LOGISTICS AND REMINDERS

- ▶ Lab02 due **Today**
- ▶ Hog project due next Monday(7/6)
 - Phase 1 due Friday
 - ▶ Submit **Sunday(7/5)** for 1 pt EC
- ▶ HW03 due **next Tuesday (7/7)**
- No discussion Friday, Good luck on your diagnostic this Thursday
- Okpy?

AGENDA

- Higher-Order Functions
- Lambda Functions

I KNOW WHY

I DON'T KNOW WHY

MY CODE RUNS





MY CODE DOESN'T RUN





HIGHER ORDER FUNCTIONS

- Functions that take functions as inputs or return functions as outputs
- Function call in the return line is different than returning a function
- Self-reference is a function that returns itself(like commentary functions in Hog)

LAMBDA FUNCTIONS

- lambda : print(3)
- lambda x: x ** 2
- lambda x, y, z : x + y z
- lambda x: lambda y: x + y

Just a shortcut of writing def statements for lazy people!

THANKS FOR COMING

- Make sure to fill out the attendance form
 - ▶ links.cs61a.org/aman-disc
- ▶ Slides are located at links.cs61a.org/aman