CS61A

HIGHER-ORDER FUNCTIONS

LOGISTICS AND REMINDERS

- Lab02 due Today
- Lab03 due Monday(9/13)-Optional
- Hog project due this Friday(9/10)
 - Submit Tomorrow for 1 pt EC
- ► HW02 due **Tomorrow**

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 |
- ightharpoonup 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
 - ▶ go.cs61a.org/aman-disc
- ► Slides are located at <u>go.cs61a.org/aman</u>