Meeting 19: Functions

Announcements

- HW5 and proposal due Friday
- Pre-proposal past due (last Friday)

Questions

1. Setting up functions (polygyny and glibge)
2. Laying out assembly with functions
3. Data values: integers, booleans, lists, dictionaries, closures
4. Closure **
5. allocated w1 malloc via

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def \( f(x) \):
    y = 0
    g(x)
    y += \( \text{g}(x) \)
call

an instance of
\( f \)
\( y \leftarrow \text{g}(x) \)
\( x \leftarrow 8(\%ebp) \)

activation record
\( g(\%ebp) \)
\( 4(\%ebp) \)
\( \%esp \)
\( \%ebp \)

slot for \( x \)
return address

activation stack