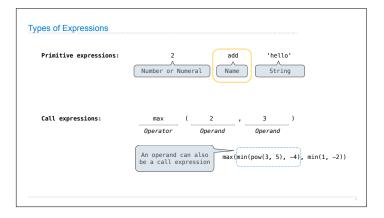
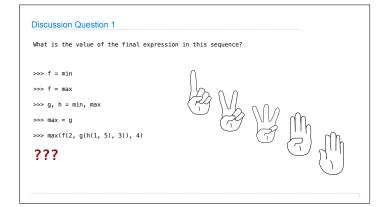
61A Lecture 2 Friday, January 23, 2015

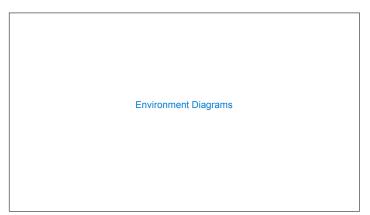
Announcements *Starting next week, submitting labs & attending section will provide a midterm safety net *Homework 1 is due next Wednesday 1/28 *All homework is graded on effort; you must make progress on each problem to earn 2/2 *Homework Party on Tuesday 1/27 5–6:30pm in 2050 VLSB *Quiz 1 released next Wednesday 1/28 is due next Thursday 1/29 (graded on correctness) *Ask questions about lab and homework assignments in office hours! (cs61a.org/weekly.html) *2 locations in Bechtel Engineering Center (Map: http://goo.gl/dAcHXf) *11–2 & 3–5 on Monday, 11–6 on Tuesday & Thursday, 11–2 & 3–4 on Wednesday, 11–1 on Friday *You need to register a class account (Lab 0); that's how we track assignments *Please register even if you're on the waitlist or applying for concurrent enrollment

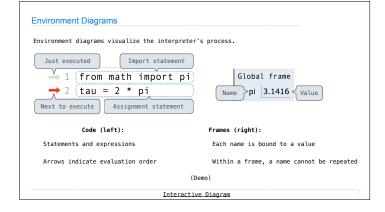
Names, Assignment, and User-Defined Functions

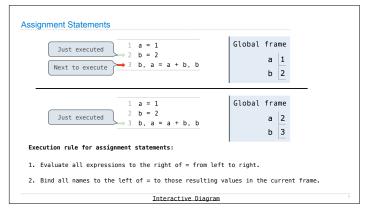
(Demo)

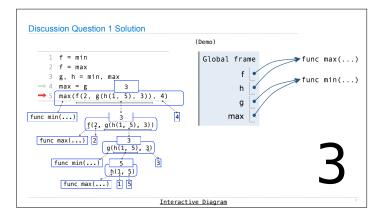














Defining Functions

Assignment is a simple means of abstraction: binds names to values

Function definition is a more powerful means of abstraction: binds names to expressions

Function signature indicates how many arguments a function takes

>>> def (name>(<formal parameters>):

(return <return expression>

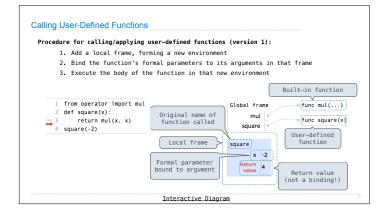
Function body defines the computation performed when the function is applied

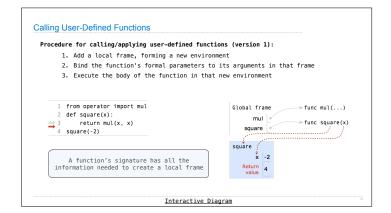
Execution procedure for def statements:

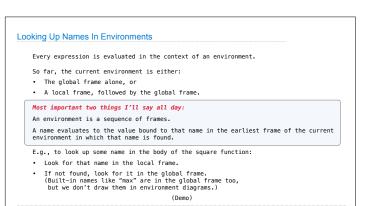
1. Create a function with signature <name>(<formal parameters>)

2. Set the body of that function to be everything indented after the first line

3. Bind <name> to that function in the current frame







Print and None
(Demo)

