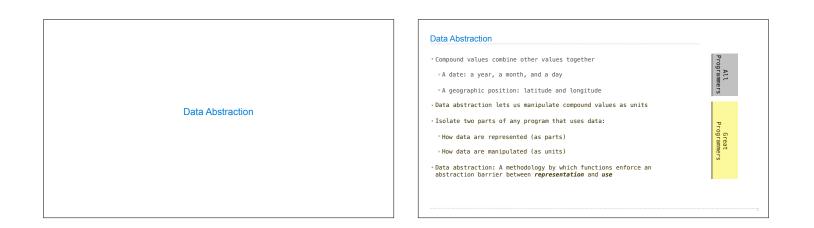
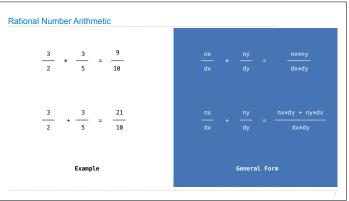
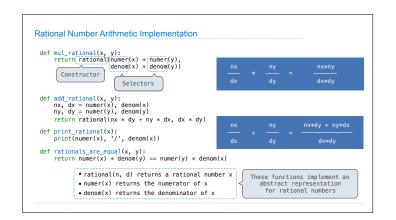
## 61A Lecture 9

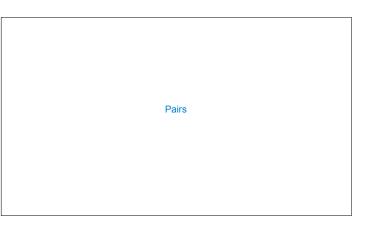
Announcements

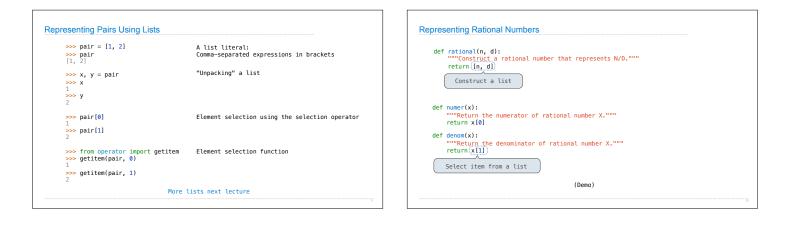


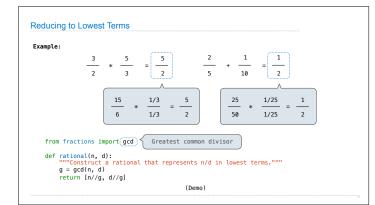
ational Numbers		Ratior
	numerator	
	denominator	
Exact rep	resentation of fractions	
A pair of	integers	
As soon a	division occurs, the exact representation may be lost! (Demo)	
Assume we	can compose and decompose rational numbers:	
Constru		
Select	• numer(x) returns the numerator of x	
	<ul> <li>denom(x) returns the denominator of x</li> </ul>	













Parts of the program that	Treat rationals as	Using
Use rational numbers to perform computation	whole data values	add_rational, mul_rational rationals_are_equal, print_rationa
Create rationals or implement rational operations	numerators and denominators	rational, numer, denom
Implement selectors and constructor for rationals	two-element lists	list literals and element selection

