$\square$

## Examples: Objects

## Land Owners

Instance attributes are found before class attributes; class attributes are inherited


## Examples: Iterables \& Iterators

## Using Built-In Functions \& Comprehensions

What are the indices of all elements in a list s that have the smallest absolute value?
$\left[\begin{array}{cccccc}{[-4,} & -3, & -2, & 3, & 2, & 4] \\ 0 & 1 & 2 & 3 & 4 & 5\end{array}\right\rangle[2,4]$
$[1,2,3,4,5]>[0]$

What's the largest sum of two adjacent elements in a list s? (Assume len $(\mathrm{s})>1$ )
$[-4,-3,-2,3,2,4] D 6$
$[-4,3,-2,-3,2,-4]\rangle 1$

Create a dictionary mapping each digit $d$ to the lists of elements in $s$ that end with $d$.
$[5,8,13,21,34,55,89]\rangle\{1:[21], 3:[13], 4:[34], 5:[5,55], 8:[8], 9:[89]\}$
Does every element equal some other element in $s$ ?
$[-4,-3,-2,3,2,4]\rangle$ False
$[4,3,2,3,2,4]\rangle$ True

## Linked List Exercises

Is a linked list s ordered from least to greatest?
$\square$


Is a linked list sordered from least to greatest by absolute value (or a key function)?


Create a sorted Link containing all the elements of both sorted Links $s \& t$.


Do the same thing, but never call Link.


