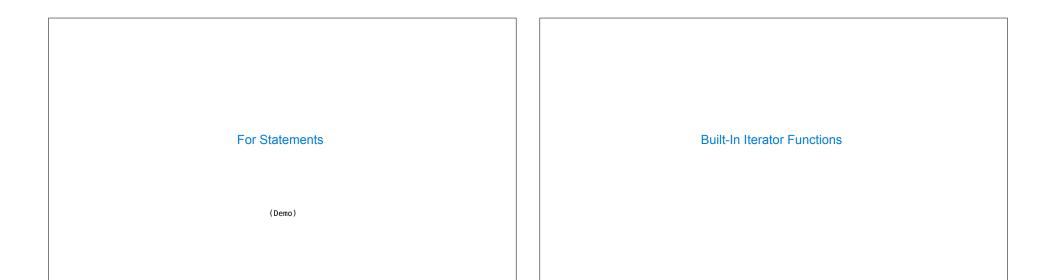
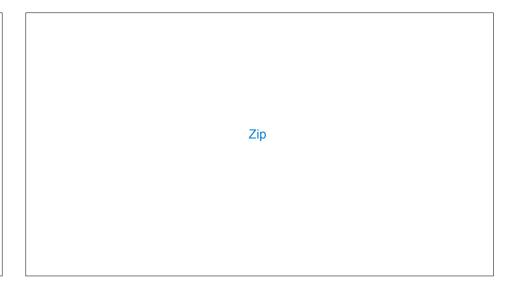


	(Demo)	ę
Dictionary Iteration	Views of a DictionaryAn iterable value is any value that can be passed to iter to produce an iteratorAn iterator is returned from iter and can be passed to next; all iterators are multipleA dictionary, its keys, its values, and its items are all iterable values• The order of items in a dictionary is the order in which they were added (Pythener equation)• Historically, items appeared in an arbitrary order (Python 3.5 and earlier)>>> d = {'one': 1, 'two': 2, 'three': 3}>>> d['zero'] = 0>>> k = iter(d.keys()) # or iter(d)>>> next(k)'one''one''two''two''two''two''two''two''two''three''three''sero'0'zero', 0	nutable hon 3.6+) ter(d.items() i) i) i) i) 3) i)



Many built-in Py	thon sequence operations i	return iterators that compute results lazily
	<pre>map(func, iterable):</pre>	Iterate over func(x) for x in iterable
	<pre>filter(func, iterable):</pre>	Iterate over x in iterable if func(x)
zip(fi	<pre>rst_iter, second_iter):</pre>	Iterate over co-indexed (x, y) pairs
	reversed(sequence):	Iterate over x in a sequence in reverse order
To view the cont	ents of an iterator, place	e the resulting elements into a container
	list(iterable):	Create a list containing all x in iterable
	<pre>tuple(iterable):</pre>	Create a tuple containing all x in iterable



The built-in zip function returns an i	terator over co-indexed tuples.		
<pre>>>> list(zip([1, 2], [3, 4])) [(1, 3), (2, 4)]</pre>			
If one iterable is longer than the oth	er, zip only iterates over matches and skip	s extras.	
<pre>>>> list(zip([1, 2], [3, 4, 5])) [(1, 3), (2, 4)]</pre>			Using Iterators
More than two iterables can be passed	to zip.		
<pre>>>> list(zip([1, 2], [3, 4, 5], [6, [(1, 3, 6), (2, 4, 7)]</pre>	, 7]))		
Implement palindrome, which returns whe	ether s is the same forward and backward.		
<pre>>>> palindrome([3, 1, 4, 1, 3])</pre>	<pre>>>> palindrome('seveneves')</pre>		
True >>> palindrome([3, 1, 4, 1, 5]) False	True >>> palindrome('seven eves') False		

