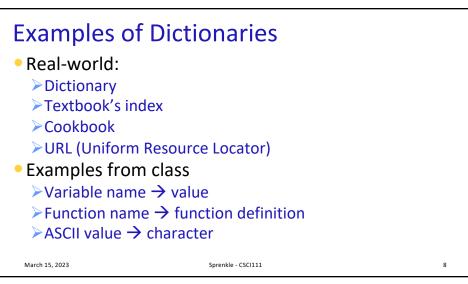
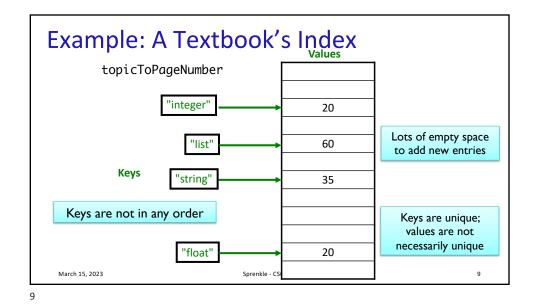
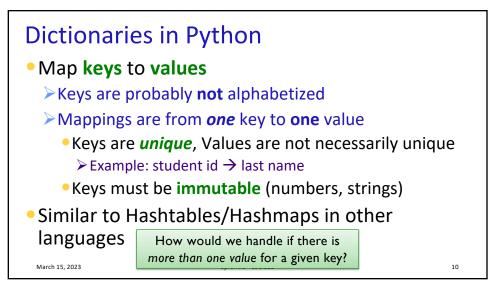


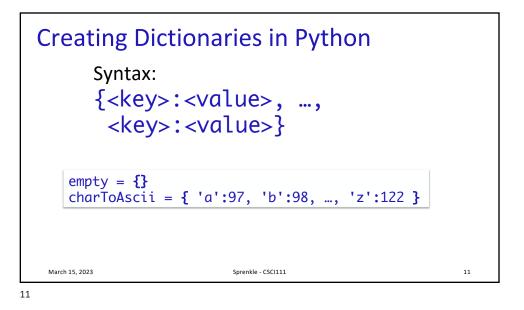
Dictionary	Keys	Values
Dictionary		
Textbook's index		
Cookbook		
URL (Uniform Resource Locator)		

Dictionary Word Defin Textbook's index Keyword Page	ition
Textbook's index Keyword Page	
	number
Cookbook Food type Recip	es
URL (Uniform Resource Locator) URL Web	page

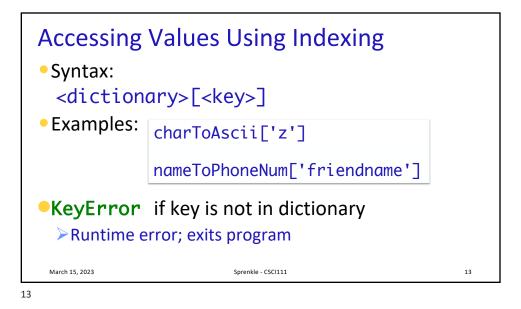




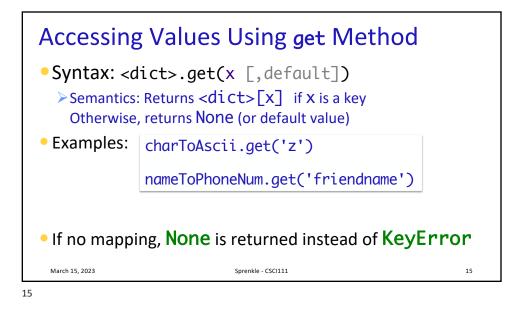


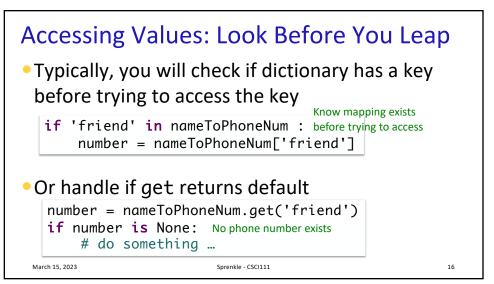


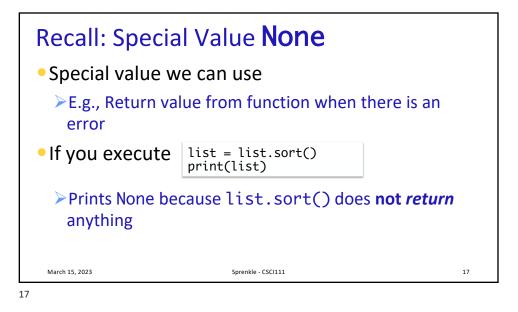
Dictic	Dictionary Operations					
	Indexing	<dict>[<key>]</key></dict>				
	Length (# of keys)	len( <dict>)</dict>				
	Iteration	<pre>for <key> in <dict>:</dict></key></pre>				
	Membership	<key> in <dict></dict></key>				
	Deletion	del <dict>[<key>]</key></dict>				
March 15, 2023		Sprenkle - CSCI111	12			

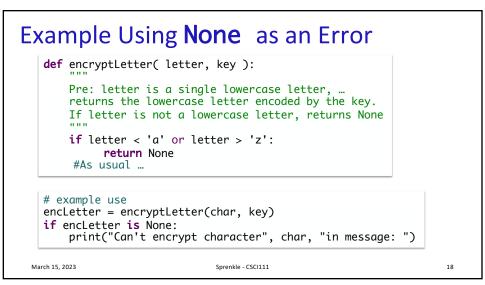


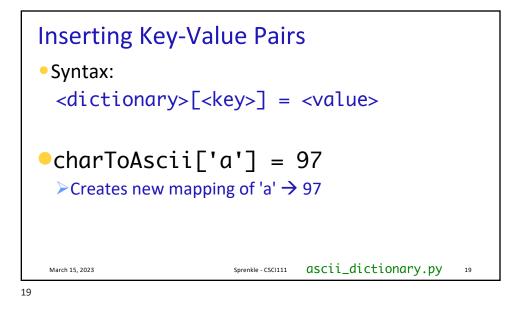
Method Name	Functionality	
<dict>.clear()</dict>	Remove all items from dictionary	
<dict>.keys()</dict>	Returns a copy of dictionary's keys (a set-like object)	
<dict>.values()</dict>	Returns a copy of dictionary's values (a set-like object)	
<dict>.get(x [, default])</dict>	Returns <dict>[x] if x is a key; Otherwise, returns None (or default value)</dict>	

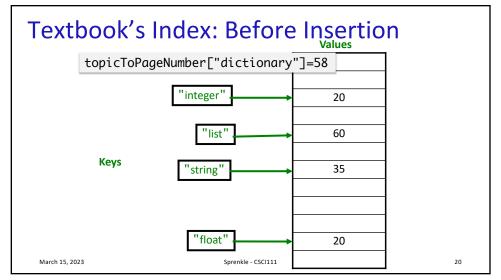


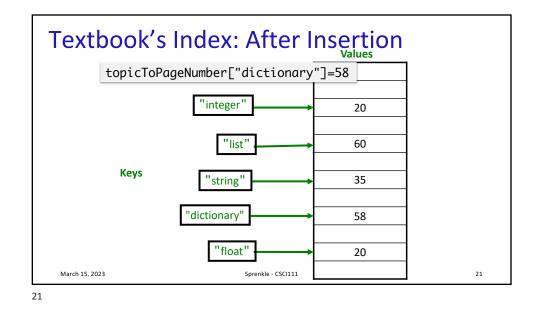


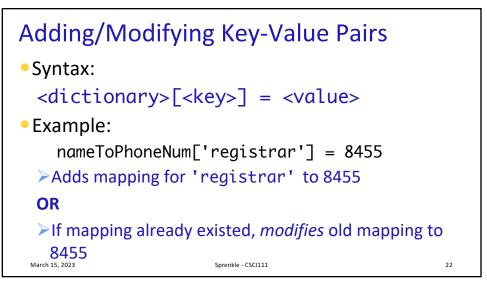


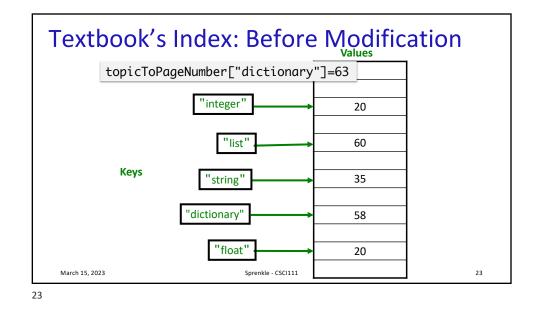


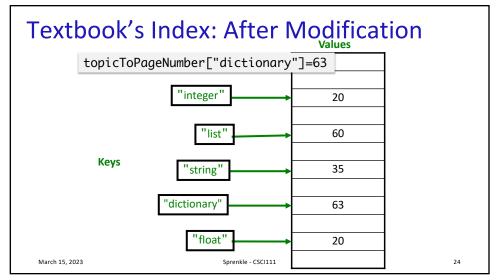


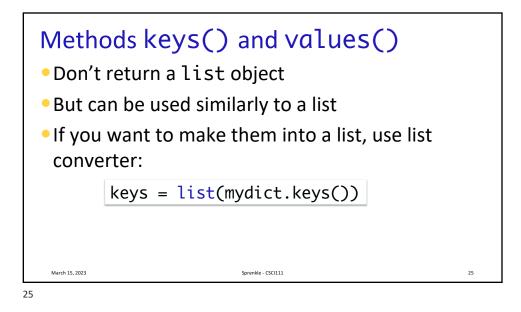


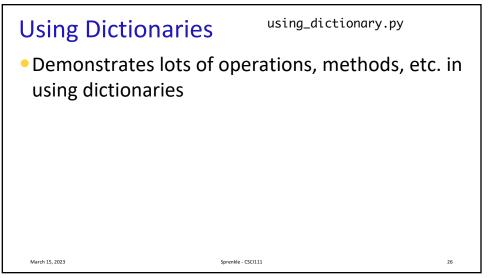












<ul> <li>Problem</li> <li>Given a file (data/roster.dat) of the form         </li> <li><pre>firstname&gt; <gradyear></gradyear></pre></li> <li>Goal: quickly find the classyear of a</li> </ul>	<ul> <li>Example file:</li> <li>Consider</li> <li>How would we solve t</li> </ul>	Person1 2025 Person2 2026 Person3 2024 Person4 2026 Person5 2024 	
<ul> <li>particular student</li> <li>Specifically, want to <ul> <li>Repeatedly prompt user for a first name of a student (given)</li> <li>Display that student's graduation year</li> </ul> </li> </ul>	<ul> <li>learning dictionaries?</li> <li>How would we solve this with dictionaries? <ul> <li>What is the key? What is the value?</li> </ul> </li> <li>If that dictionary existed, how would we implement the user input part?</li> <li>How do we parse the file to create the dictionary?</li> </ul>		
Whose class year? Bobby Bobby is in the class of 2024 March 15, 2023 Sprenkle-			

