CSC108H Worksheet: Dictionaries

1. Consider this code:

Circle the expressions that evaluate to True.

(a) 'dog' in name_to_binomial

- (b) 'Canis familiaris' in name_to_binomial
- (c) name_to_binomial[0] == 'human'
- (d) len(name_to_binomial) == 3

2. Consider this code:

Indicate whether each statement will cause an error and, if not, whether the statement will increase the number of key/value pairs in the dictionary:

Statement	Error?	Increases length of dictionary?
	(yes or no)	(yes or no)
<pre>animal_to_locomotion['human'] = ['swim', 'run', 'walk', 'airplane']</pre>		
animal_to_locomotion['orangutan'].append('brachiate')		
animal_to_locomotion['kangaroo'].append('airplane')		
animal_to_locomotion['frog'] = ['tapdance']		
<pre>animal_to_locomotion['dolphin'] = animal_to_locomotion['fish']</pre>		

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3. The express checkout is for grocery orders with 8 or fewer items. Complete the examples in the docstring and then complete the function body.

4. As part of a study funded by a major shoe company, we crouched at the finish line of the Boston marathon and kept an ordered list of the shoes that we saw as they passed the finish line. Write a function that, given such a list, will return a dictionary mapping shoe companies to a list of the placements achieved by runners wearing shoes made by those companies.