Lesson 13:

1. Quiz: Exploring List Properties

list1 = [1, 2, 3, 4]

list2 = [1, 2, 3, 4]

list1 = list1 + [5, 6] # [1, 2, 3, 4, 5, 6]

list2.append([5, 6]) # [1, 2, 3, 4, [5, 6]]

1. Quiz: Symmetric Square

def symmetric(list\_matrix):

if not list\_matrix:

return True

if len(list\_matrix) != len(list\_matrix[0]):

return False

for index in range(0, len(list\_matrix)):

for j\_index in range(0, len(list\_matrix)):

if list\_matrix[index][j\_index] != list\_matrix[j\_index][index]:

return False

return True

1. Quiz: Mean of a List

def list\_mean(input\_list):

return sum(input\_list) / float(len(input\_list))