def read\_file(filename):

file = open(filename, 'r')

data = file.read().strip().split('\n')

file.close()

return data

def find\_in\_array(item, array):

for i in range(len(array)):

if array[i] == item:

return i

return -1

def print\_contents(items, counts):

print('{:<22} {:<5}'.format('ItemType', 'Count'))

print()

for i in range(len(items)):

print('{:<22} {:<5}'.format(items[i], counts[i]))

inventory = read\_file('INVENTORY.txt')

item\_types = []

item\_counts = []

for i in range(len(inventory)):

index = find\_in\_array(inventory[i], item\_types)

if index == -1:

item\_types.append(inventory[i])

item\_counts.append(1)

else:

item\_counts[index] += 1

print\_contents(item\_types, item\_counts)