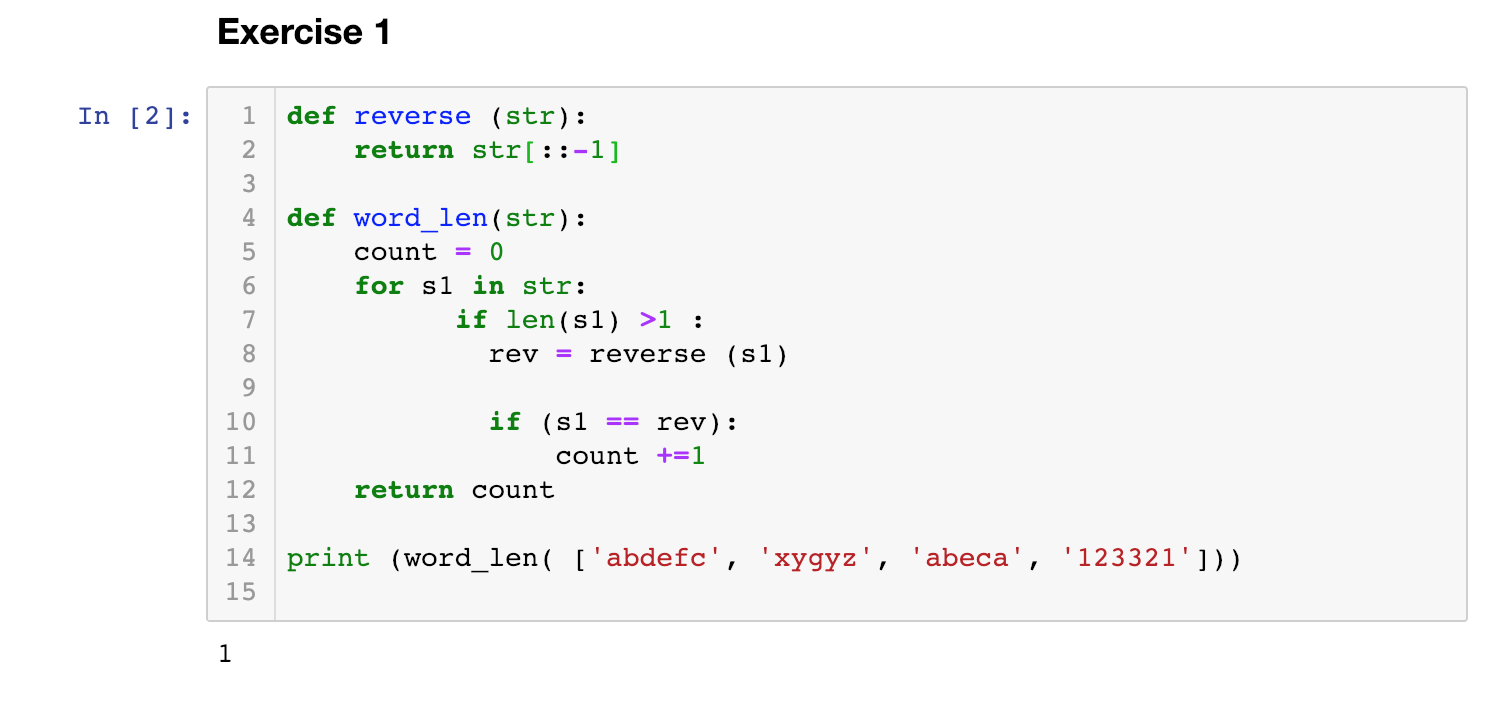
**Assignment 1 for CS 603**

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**Code:**

def reverse (str):

return str[::-1]

def word\_len(str):

count = 0

for s1 in str:

if len(s1) >1 :

rev = reverse (s1)

if (s1 == rev):

count +=1

return count

print (word\_len( ['abdefc', 'xygyz', 'abeca', '123321']))



**Code :**

def common\_elem (lst1, lst2 ):

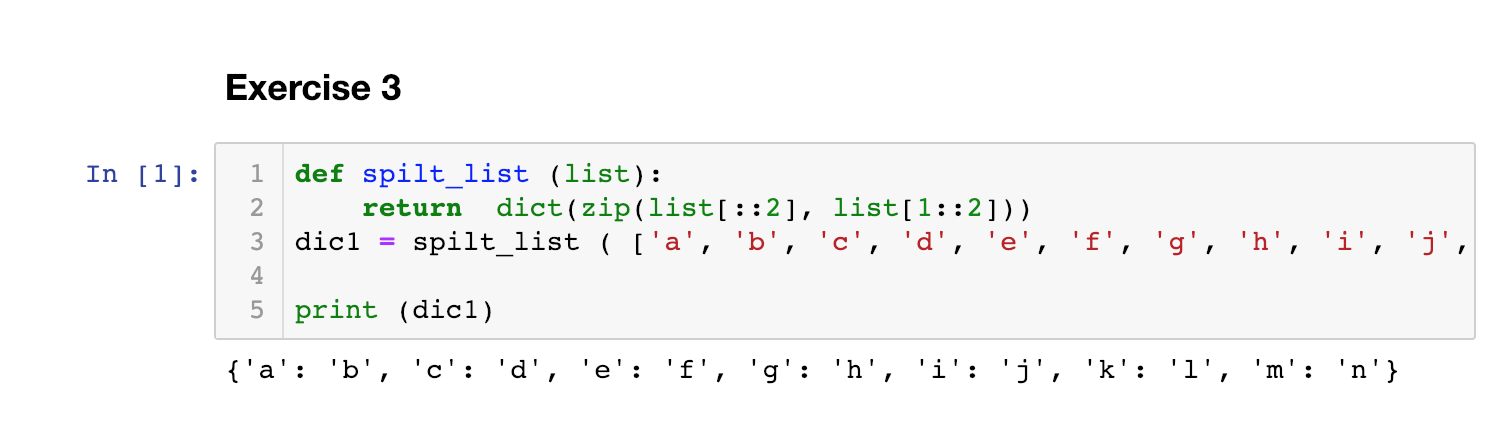
common = set (lst1) - (set (lst1) - set (lst2))

return common

A = ['apple','orange','pears','grapes']

B = ['grapes','kiwi','pineapple','orange']

print (common\_elem (A,B))



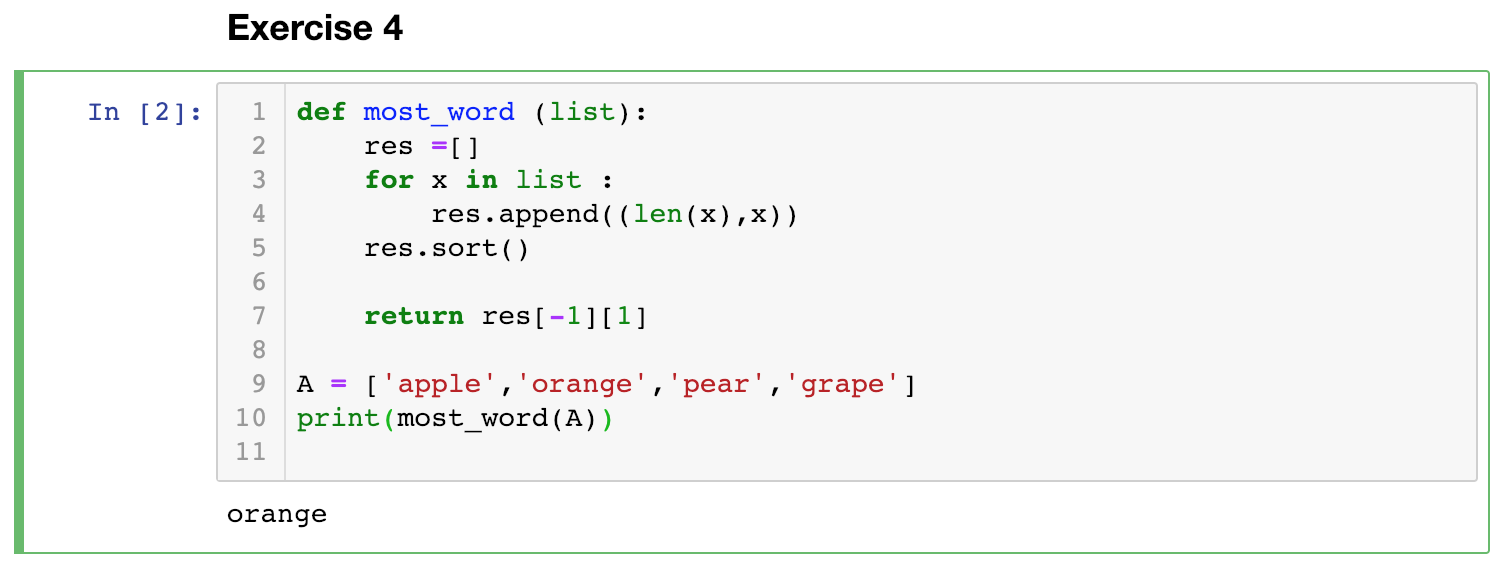
**Code**

def spilt\_list (list):

return dict(zip(list[::2], list[1::2]))

dic1 = spilt\_list ( ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j', 'k', 'l', 'm', 'n'])

print (dic1)



**Code**

def most\_word (list):

res =[]

for x in list :

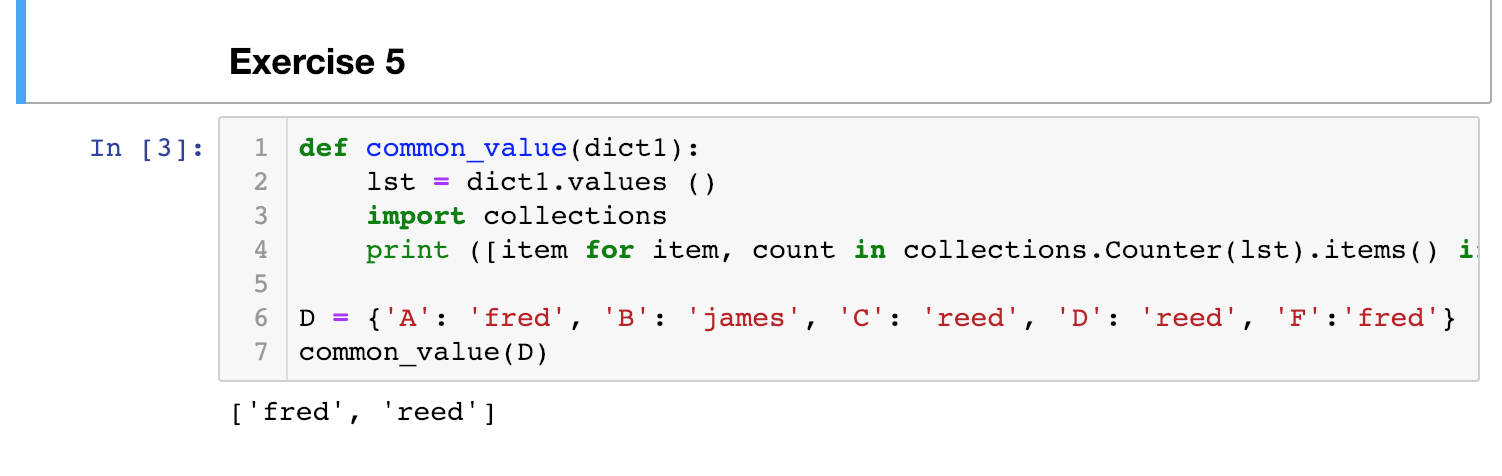
res.append((len(x),x))

res.sort()

return res[-1][1]

A = ['apple','orange','pear','grape']

print(most\_word(A))



**Code**

def common\_value(dict1):

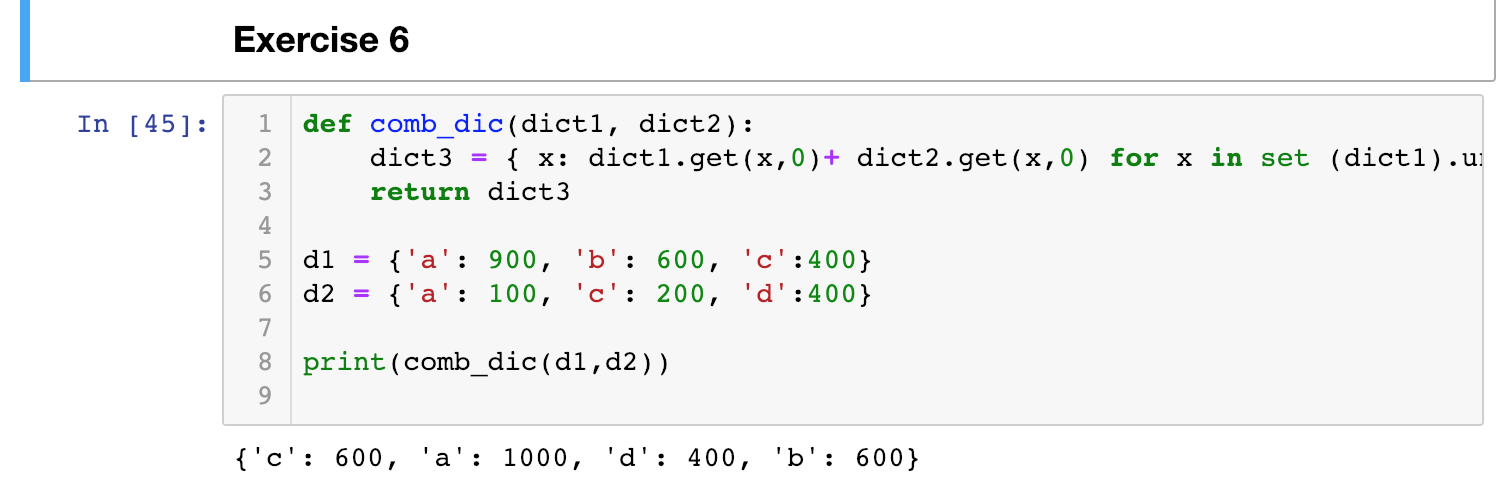
lst = dict1.values ()

import collections

print ([item for item, count in collections.Counter(lst).items() if count > 1])

D = {'A': 'fred', 'B': 'james', 'C': 'reed', 'D': 'reed', 'F':'fred'}

common\_value(D)



**Code:**

def comb\_dic(dict1, dict2):

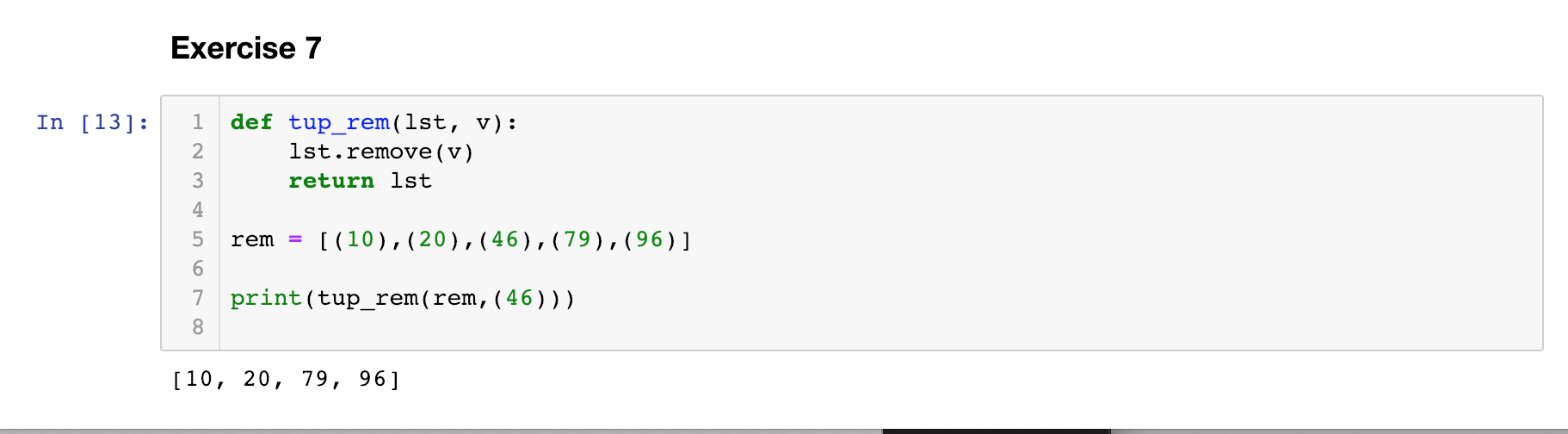
dict3 = { x: dict1.get(x,0)+ dict2.get(x,0) for x in set (dict1).union (dict2) }

return dict3

d1 = {'a': 900, 'b': 600, 'c':400}

d2 = {'a': 100, 'c': 200, 'd':400}

print(comb\_dic(d1,d2))



**Code**

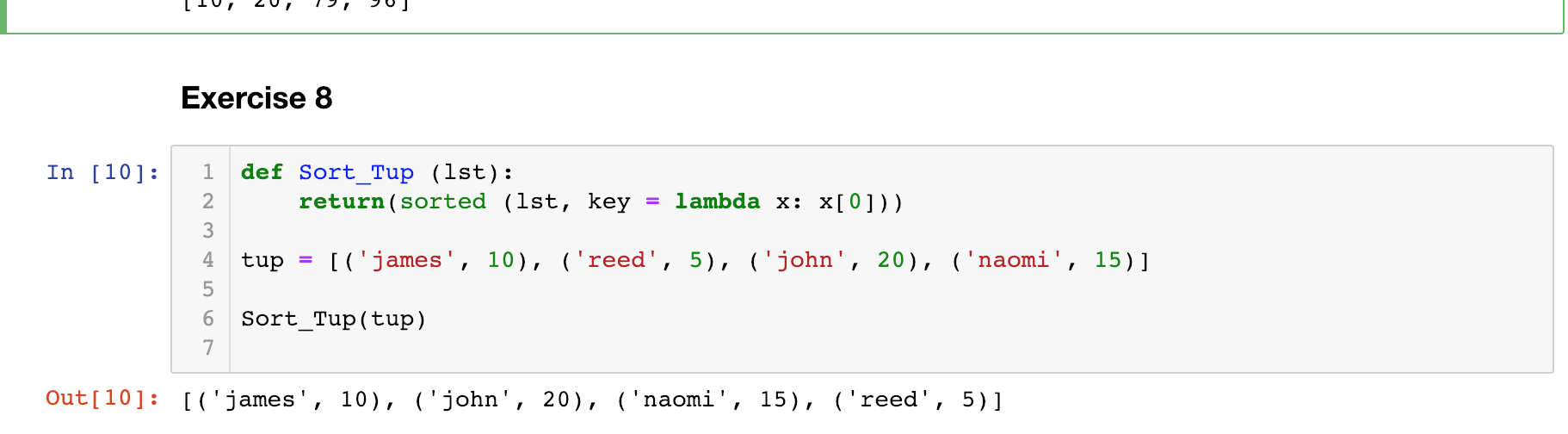
def tup\_rem(lst, v):

lst.remove(v)

return lst

rem = [(10),(20),(46),(79),(96)]

print(tup\_rem(rem,(46)))



**Code**

def Sort\_Tup (lst):

return(sorted (lst, key = lambda x: x[0]))

tup = [('james', 10), ('reed', 5), ('john', 20), ('naomi', 15)]

Sort\_Tup(tup)