



Congratulations! You passed!

Grade received 100% To pass 80% or higher

Go to next item

1. The email_list function receives a dictionary, which contains domain names as keys, and a list of users as values. Fill in the blanks to generate a list that contains complete email addresses (e.g. diana.prince@gmail.com).

1/1 point

⊘ Correct

Well done! You've created quite an email list!

2. The groups_per_user function receives a dictionary, which contains group names with the list of users. Users can belong to multiple groups. Fill in the blanks to return a dictionary with the users as keys and a list of their groups as values.

1/1 point

```
def groups_per_user(group_dictionary):
            user_groups = {}
            # Go through group_dictionary
            for group, users in group_dictionary.items():
   4
   5
                \# Now go through the users in the group
   6
                for user in users:
                    if user in user_groups:
   8
                       user_groups[user].append(group)
                    \mbox{\#}\mbox{Now}\mbox{ add} the group to the the list of
   9
  10
                    else:
  11
                         user_groups[user] = [group]
  12
       # groups for this user, creating the entry
       # in the dictionary if necessary
  13
  14
            return(user_groups)
  16
        print(groups_per_user({"local": ["admin", "userA"],
  17
                                                                                                                               Run
  18
                 "public": ["admin", "userB"],
  19
                "administrator": ["admin"] }))
                                                                                                                               Reset
{'admin': ['local', 'public', 'administrator'], 'userA': ['local'], 'userB': ['public']}
```

⊘ Correct

other dictionaries!

Well done, you! You're now creating dictionaries out of

3. The dict.update method updates one dictionary with the items coming from the other dictionary, so that existing entries are replaced and new entries are added. What is the content of the dictionary "wardrobe" at the end of the following code?

1/1 point

```
wardrobe = {'shirt': ['red', 'blue', 'white'], 'jeans': ['blue', 'black']}
new_items = {'jeans': ['white'], 'scarf': ['yellow'], 'socks': ['black', 'brown']}
wardrobe.update(new_items)
```



	() {'shirt': [red', 'blue', 'white'], 'jeans': ['white'], 'scarf': ['yellow'], 'socks': ['black', 'brown']}		
	('shirt': ['red', 'blue', 'white'], 'jeans': ['blue', 'black', 'white'], 'scarf': ['yellow'], 'socks': ['black', 'brown']			
	\(\rightarrow\) \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
		tl The dict.update method updates the dictionary (wardrobe) with the items coming from the other dictionary (new_items), adding new and replacing existing entries.		
4.	What's a ma	jor advantage of using dictionaries over lists?		1 / 1 point
	O Dictionaries are ordered sets			
	O Dictionaries can be accessed by the index number of the element			
	Elements can be removed and inserted into dictionaries			
	It's quicker and easier to find a specific element in a dictionary			
	 Correct Right on! Because of their unordered nature and use of key value pairs, searching a dictionary takes the same amount of time no matter how many elements it contains 			
5.	The add_pric	tes function returns the total price of all of the groceries in the dictionary. Fill in the blanks to complete this function.		1 / 1 point
		def add_prices(basket):		
	2	<pre># Initialize the variable that will be used for the calculation total = 0</pre>		
	4	# Iterate through the dictionary items		
	5	for item, price in basket.items():		
	6	# Add each price to the total calculation		
	7	# Hint: how do you access the values of		
	8	# dictionary items?		
	9	total += basket[item]		
	10	# Limit the return value to 2 decimal places		
	11	noturn nound(total 2)		

Run

Reset

Correct

12

13 14 15

16 17

28.44

Nicely done! Dictionaries are a helpful way to store information, and access it easily when it's needed.

print(add_prices(groceries)) # Should print 28.44