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# Python 2: Getting More Out of Python Lesson 11, Quiz 2

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**Question 1:**

Write an expression that takes two lists of equal length, **k** and **v**, and produces a dict where the keys are the elements of **k** and the corresponding values are the elements of **v**.

##### Your Answer:

k = ["dog", "cat", "tiger"]

v = ["kibble", "fish", "steak"]

dct = dict(zip(k,v))

>>>dct

{'dog': 'kibble', 'tiger': 'steak', 'cat': 'fish'}

##### Mentor Comments:

Showing how zip() may take multiple (more than two) iterables:

>>> starters = ["soup", "salad", "bread", "bread sticks"]

>>> entres = ['spaghetti', 'pizza', 'hamburger']

>>> desserts = ['ice cream', 'pie','cake']

>>> tuple(zip(starters, entres, desserts))

(('soup', 'spaghetti', 'ice cream'), ('salad', 'pizza', 'pie'), ('bread', 'hamburger', 'cake'))

**Question 2:**

What function of the mysql.connector module must you call to establish a connection with a database?

##### Your Answer:

Connect()

e.g. db = mysql.connector.Connect(\*\*login\_info)

where login\_info is a dict of the host, username, password, database name and port information that you need to login to the database. The "\*\*" syntax unpacks the dict keys and values and supplies them to the Connect() function

##### Mentor Comments:

*none*

**Question 3:**

If the built-in zip() function is given two lists of unequal length as arguments, what is the result?

##### Your Answer:

the zip() function will zip together the items from each list while the index numbers match from each and extra elements from either will be ignored.

##### Mentor Comments:

That's right. The technical term for this is 'truncate'.

### Overall Comments:

Great job, Jason.

-Pat

### Grade:

Great

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