QUIZ-6: Week-6 Material

Due May 21 at 2:05pm **Points** 20 **Questions** 3 **Available** May 21 at 1:35pm - May 21 at 2:05pm 30 minutes **Time Limit** 30 Minutes

This quiz was locked May 21 at 2:05pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	29 minutes	15 out of 20

Score for this quiz: **15** out of 20
Submitted May 21 at 2:05pm
This attempt took 29 minutes.

Question 1

7 / 10 pts

Match the term on the left with the definition or description from the right. You will not use all of the definitions/descriptions.

Correct! **nested** — term for a list within a list

Correct! **items** — term for values in a list

You Answered **accumulator** — processing a list to accumulate t

Correct Answer — variable inside a loop used to add up a result

Correct! **filtering** — processing a list to select eleme

Correct! **mapping** — processing a list to perform an o

Correct! **+=** — augmented assignment

You Answered **reducing** — list method for deleting element

Correct Answer — processing a list to accumulate the elements into a single result

You Answered **remove** — list method for deleting element

Correct Answer — list method for deleting element when index not known

Correct! **lists** — mutable

Correct! **+** — list concatenation operator

Other Incorrect Match Options:

- list method for deleting element when index is known
- list repetition operator
- list method for deleting a slice of elements
- immutable

Question 2

1 / 1 pts

How many elements are in mystery?

```
mystery = ['Hush Hush Sweet Charlotte', [['Charlotte', "don't"], ['you', 'cry']]]
```

○ 4

Correct!

● 2

○ 3

○ 1

○ 12

Question 3

7 / 9 pts

Write a program that mimics the Linux **wc** (wordcount) utility. Given an input file (which you should hardcode the name of right in your file), it outputs three integers:

- the number of lines,
- the number of words, and,
- the number of characters, in the input file.

Use python-description.txt (https://deanza.instructure.com/files/703444/download?wrap=1) (https://deanza.instructure.com/files/703444/download?wrap=1) as your input file for testing purposes. Put it in the same folder/directory as your source code so that when I download and execute the source code, Python will be able to find MY copy of **python-description.txt**.

My solution is only 9 lines of Pythson source code. Still, you should approach this problem in an **incremental development** fashion. Focus on getting just the line count correct. Only after that is correct should you start on one of the other two counts. And only after the second count is correct, should you start on the third count! Don't try to write the whole program at once, even though it's small!

8 points for correct code, 9 points for concise and well-structured code.

My output (which matches that of the **wc** utility) is this:

```
15 136 1013
```

Quiz6.py (https://deanza.instructure.com/files/805004/download)

Correct results, but I don't think countList is a good use of lists. Three well-named vars would be better.

Quiz Score: **15** out of 20