

## Feedback — Week 10 Quiz

[Help](#)

Thank you. Your submission for this quiz was received.

You submitted this quiz on **Fri 5 Dec 2014 10:32 AM WET**. You got a score of **10.00** out of **10.00**.

### Question 1

What is the difference between a Python tuple and Python list?

Your Answer	Score	Explanation
<input type="radio"/> Lists maintain the order of the items and tuples do not maintain order		
<input checked="" type="radio"/> Lists are mutable and tuples are not mutable	✓ 1.00	
<input type="radio"/> Tuples can be expanded after they are created and lists cannot		
<input type="radio"/> Lists are indexed by integers and tuples are indexed by strings		
Total	1.00 / 1.00	

### Question 2

Which of the following methods work both in Python lists and Python tuples?

Your Answer	Score	Explanation
<input type="radio"/> pop()		
<input type="radio"/> reverse()		
<input type="radio"/> sort()		
<input type="radio"/> append()		

☒ index()

✓

1.00

Total

1.00 / 1.00

Question 3

What will end up in the variable **y** after this code is executed?

```
x , y = 3, 4
```

Your Answer	Score	Explanation
<input type="radio"/> A two item tuple		
<input type="radio"/> A dictionary with the key 3 mapped to the value 4		
<input type="radio"/> A two item list		
<input checked="" type="radio"/> 4	✓ 1.00	
<input type="radio"/> 3		
Total	1.00 / 1.00	

Question 4

In the following Python code, what will end up in the variable **y**?

```
x = { 'chuck' : 1 , 'fred' : 42, 'jan': 100}  
y = x.items()
```

Your Answer	Score	Explanation
<input type="radio"/> A list of strings		
<input type="radio"/> A list of integers		
<input checked="" type="radio"/> A list of tuples	✓ 1.00	
<input type="radio"/> A tuple with three integers		
Total	1.00 / 1.00	

## Question 5

Which of the following tuples is greater than **x** in the following Python sequence?

```
x = (5, 1, 3)
if ??? > x :
    ...
```

Your Answer	Score	Explanation
<input type="radio"/> (4, 100, 200)		
<input type="radio"/> (5, 0, 300)		
<input type="radio"/> (0, 1000, 2000)		
<input checked="" type="radio"/> (6, 0, 0)	✓ 1.00	
Total	1.00 / 1.00	

## Question 6

What does the following Python code accomplish, assuming the **c** is a non-empty dictionary?

```
tmp = list()
for k, v in c.items() :
    tmp.append( (v, k) )
```

Your Answer	Score	Explanation
<input type="radio"/> It computes the average of all of the values in the dictionary		
<input type="radio"/> It computes the largest of all of the values in the dictionary		
<input checked="" type="radio"/> It creates a list of tuples where each tuple is a value, key pair	✓ 1.00	
<input type="radio"/> It sorts the dictionary based on its key values		
Total	1.00 / 1.00	

## Question 7

If the variable **data** is a Python list, how do we sort it in reverse order?

Your Answer	Score	Explanation
<input type="radio"/> data.reverse()		
<input type="radio"/> data = data.sort(-1)		
<input type="radio"/> data = sortrev(data)		
<input checked="" type="radio"/> data.sort(reverse=True)	✓ 1.00	
Total	1.00 / 1.00	

## Question 8

Using the following tuple, how would you print 'Wed'?

```
days = ('Mon', 'Tue', 'Wed', 'Thu', 'Fri', 'Sat', 'Sun')
```

Your Answer	Score	Explanation
<input type="radio"/> print days(2)		
<input type="radio"/> print days.get(1,-1)		
<input type="radio"/> print days{2}		
<input checked="" type="radio"/> print days[2]	✓ 1.00	
<input type="radio"/> print days[1]		
Total	1.00 / 1.00	

## Question 9

In the following Python loop, why are there two iteration variables (k and v)?

```
c = {'a':10, 'b':1, 'c':22}
for k, v in c.items() :
```

...

Your Answer	Score	Explanation
<input type="radio"/> Because there are two items in the dictionary		
<input type="radio"/> Because for each item we want the previous and current key		
<input type="radio"/> Because the keys for the dictionary are strings		
<input checked="" type="radio"/> Because the items() method in dictionaries returns a list of tuples	✓ 1.00	
Total	1.00 / 1.00	

## Question 10

Given that Python lists and Python tuples are quite similar - when might you prefer to use a tuple over a list?

Your Answer	Score	Explanation
<input type="radio"/> For a list of items that will be extended as new items are found		
<input type="radio"/> For a list of items that want to use strings as key values instead of integers		
<input type="radio"/> For a list of items you intend to sort in place		
<input checked="" type="radio"/> For a temporary variable that you will use and discard without modifying	✓ 1.00	
Total	1.00 / 1.00	