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## Chapter 6 Quiz

Latest Submission Grade 100%

1. What does the following Python Program print out?

1 / 1 point

```
1 str1 = "Hello"  
2 str2 = 'there'  
3 bob = str1 + str2  
4 print(bob)
```

✔ Correct

2. What does the following Python program print out?

1 / 1 point

```
3 print(y)
```

✔ Correct

3. How would you use the index operator [] to print out the letter q from the following string?

1 / 1 point

```
1 x = 'From marquard@uct.ac.za'
```

✔ Correct

4. How would you use string slicing [:] to print out 'uct' from the following string?

1 / 1 point

```
1 x = 'From marquard@uct.ac.za'
```

✔ Correct

4. How would you use string slicing [:] to print out 'uct' from the following string?

1/1 point

```
1 x = 'From marquard@uct.ac.za'
```

✓ Correct

5. What is the iteration variable in the following Python code?

1/1 point

```
1 for letter in 'banana':  
2     print(letter)
```

✓ Correct

6. What does the following Python code print out?

1/1 point

```
1 print(len('banana')*7)
```

✓ Correct

7. How would you print out the following variable in all upper case in Python?

1/1 point

```
1 greet = 'Hello Bob'
```

✓ Correct

8. Which of the following is **not** a valid string method in Python?

1/1 point

✓ Correct

9. What will the following Python code print out?

1/1 point

 Correct

6. What does the following Python code print out?

1 / 1 point

```
1 print(len('banana')*7)
```

 Correct

7. How would you print out the following variable in all upper case in Python?

1 / 1 point

```
1 greet = 'Hello Bob'
```

 Correct8. Which of the following is **not** a valid string method in Python?

1 / 1 point

 Correct

9. What will the following Python code print out?

1 / 1 point

```
1 data = 'From stephen.marquard@uct.ac.za Sat Jan  5 09:14:16 2008'
2 pos = data.find('.')
3 print(data[pos:pos+3])
```

 Correct

10. Which of the following string methods removes whitespace from both the beginning and end of a string?

1 / 1 point

 Correct

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## Chapter 7 Quiz

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1. Given the architecture and terminology we introduced in Chapter 1, where are files stored?

1 / 1 point

✔ Correct

2. What is stored in a "file handle" that is returned from a successful `open()` call?

1 / 1 point

✔ Correct

3. What do we use the second parameter of the `open()` call to indicate?

1 / 1 point

✔ Correct

4. What Python function would you use if you wanted to prompt the user for a file name to open?

1 / 1 point

✔ Correct

5. What is the purpose of the newline character in text files?

1 / 1 point

✔ Correct

6. If we open a file as follows:

1 / 1 point

```
1 xfile = open('mbox.txt')
```

What statement would we use to read the file one line at a time?

7. What is the purpose of the following Python code?

1 / 1 point

```
1 fhand = open('mbox.txt')
2 x = 0
3 for line in fhand:
4     x = x + 1
5 print(x)
```

 Correct

8. If you write a Python program to read a text file and you see extra blank lines in the output that are not present in the file input as shown below, what Python string function will likely solve the problem?

1 / 1 point

```
1 From: stephen.marquard@uct.ac.za
2
3 From: louis@media.berkeley.edu
4
5 From: zqian@umich.edu
6
7 From: rjlowe@iupui.edu
8
9 ...
```

 Correct

9. The following code sequence fails with a traceback when the user enters a file that does not exist. How would you avoid the traceback and make it so you could print out your own error message when a bad file name was entered?

1 / 1 point

```
1 fname = input('Enter the file name: ')
2 fhand = open(fname)
```

 Correct

10. What does the following Python code do?

1 / 1 point

```
1 fhand = open('mbox-short.txt')
2 inp = fhand.read()
```

 Correct

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## Chapter 8 Quiz

Latest Submission Grade 100%

1. How are "collection" variables different from normal variables?

1 / 1 point

✔ Correct

2. What are the Python keywords used to construct a loop to iterate through a list?

1 / 1 point

✔ Correct

3. For the following list, how would you print out 'Sally'?

1 / 1 point

```
1 friends = [ 'Joseph', 'Glenn', 'Sally' ]
```

✔ Correct

4. What would the following Python code print out?

1 / 1 point

```
1 fruit = 'Banana'
2 fruit[0] = 'b'
3 print(fruit)
```

✔ Correct

5. Which of the following Python statements would print out the length of a list stored in the variable **data**?

1 / 1 point

✔ Correct

5. Which of the following Python statements would print out the length of a list stored in the variable **data**?

1 / 1 point

✓ Correct

6. What type of data is produced when you call the **range()** function?

1 / 1 point

```
1 x = list(range(5))
```

✓ Correct

7. What does the following Python code print out?

1 / 1 point

```
1 a = [1, 2, 3]
2 b = [4, 5, 6]
3 c = a + b
4 print(len(c))
```

✓ Correct

8. Which of the following slicing operations will produce the list [12, 3]?

1 / 1 point

```
1 t = [9, 41, 12, 3, 74, 15]
```

✓ Correct

9. What list method adds a new item to the end of an existing list?

1 / 1 point

✓ Correct

10. What will the following Python code print out?

1 / 1 point

```
1 friends = [ 'Joseph', 'Glenn', 'Sally' ]
2 friends.sort()
3 print(friends[0])
```

✔ **Congratulations! You passed!**  
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## Chapter 9 Quiz

Latest Submission Grade 100%

1. How are Python dictionaries different from Python lists?

1 / 1 point

✔ **Correct**

2. What is a term commonly used to describe the Python dictionary feature in other programming languages?

1 / 1 point

✔ **Correct**

3. What would the following Python code print out?

1 / 1 point

```
1 stuff = dict()
2 print(stuff['candy'])
```

✔ **Correct**

4. What would the following Python code print out?

1 / 1 point

```
1 stuff = dict()
2 print(stuff.get('candy', -1))
```

✔ **Correct**

5. (T/F) When you add items to a dictionary they remain in the order in which you added them.

1 / 1 point

✔ **Correct**



 Correct

5. (T/F) When you add items to a dictionary they remain in the order in which you added them.

1 / 1 point

 Correct

6. What is a common use of Python dictionaries in a program?

1 / 1 point

 Correct

7. Which of the following lines of Python is equivalent to the following sequence of statements assuming that **counts** is a dictionary?

1 / 1 point

```
1 if key in counts:
2     counts[key] = counts[key] + 1
3 else:
4     counts[key] = 1
```

 Correct

8. In the following Python, what does the **for** loop iterate through?

1 / 1 point

```
1 x = dict()
2 ...
3 for y in x :
4     ...
```

 Correct

9. Which method in a dictionary object gives you a list of the values in the dictionary?

1 / 1 point

 Correct

 Correct

6. What is a common use of Python dictionaries in a program?

1 / 1 point

 Correct7. Which of the following lines of Python is equivalent to the following sequence of statements assuming that **counts** is a dictionary?

1 / 1 point

```
1 if key in counts:
2     counts[key] = counts[key] + 1
3 else:
4     counts[key] = 1
```

 Correct8. In the following Python, what does the **for** loop iterate through?

1 / 1 point

```
1 x = dict()
2 ...
3 for y in x :
4     ...
```

 Correct

9. Which method in a dictionary object gives you a list of the values in the dictionary?

1 / 1 point

 Correct10. What is the purpose of the second parameter of the **get()** method for Python dictionaries?

1 / 1 point

 Correct

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## Chapter 10 Quiz

Latest Submission Grade 100%

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

1 / 1 point

✔ Correct

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

1 / 1 point

✔ Correct

3. What will end up in the variable `y` after this code is executed?

1 / 1 point

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

✔ Correct

4. In the following Python code, what will end up in the variable `y`?

1 / 1 point

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

✔ Correct

5. Which of the following tuples is greater than `x` in the following Python sequence?

1 / 1 point

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

 Correct6. What does the following Python code accomplish, assuming the `c` is a non-empty dictionary?

1 / 1 point

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

 Correct7. If the variable `data` is a Python list, how do we sort it in reverse order?

1 / 1 point

 Correct

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

1 / 1 point

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

 Correct9. In the following Python loop, why are there two iteration variables (`k` and `v`)?

1 / 1 point

```
1 c = {'a':10, 'b':1, 'c':22}
2 for k, v in c.items() :
3     ...
```

 Correct

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

1 / 1 point

 Correct