**Feedback — Week 9 Quiz**[Help](https://class.coursera.org/pythonlearn-003/help/quizzes?url=https%3A%2F%2Fclass.coursera.org%2Fpythonlearn-003%2Fquiz%2Ffeedback%3Fsubmission_id%3D163064)

You submitted this quiz on **Sun 7 Dec 2014 4:51 AM PST**. You got a score of **10.00** out of **10.00**.

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**Question 1**

How are Python dictionaries different from Python lists?

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| Python lists can store strings and dictionaries can only store words |  |  |  |
| Python lists store multiple values and dictionaries store a single value |  |  |  |
| Python lists maintain order and dictionaries do not maintain order | Correct | 1.00 |  |
| Python dictionaries are a collection and lists are not a collection |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 2**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| Sequences |  |  |  |
| Lambdas |  |  |  |
| Closures |  |  |  |
| Associative arrays | Correct | 1.00 |  |
| Total |  | 1.00 / 1.00 |  |

**Question 3**

What would the following Python code print out?

stuff = dict()

print stuff['candy']

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| The program would fail with a traceback | Correct | 1.00 |  |
| -1 |  |  |  |
| 0 |  |  |  |
| candy |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 4**

What would the following Python code print out?

stuff = dict()

print stuff.get('candy',-1)

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| The program would fail with a traceback |  |  |  |
| 0 |  |  |  |
| 'candy' |  |  |  |
| -1 | Correct | 1.00 |  |
| Total |  | 1.00 / 1.00 |  |

**Question 5**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| False | Correct | 1.00 |  |
| True |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 6**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| Computing an average of a set of numbers |  |  |  |
| Sorting a list of names into alphabetical order |  |  |  |
| Splitting a line of input into words using a space as a delimiter |  |  |  |
| Building a histogram counting the occurrences of various strings in a file | Correct | 1.00 |  |
| Total |  | 1.00 / 1.00 |  |

**Question 7**

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

if key in counts:

counts[key] = counts[key] + 1

else:

counts[key] = 1

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| counts[key] = counts.get(key,0) + 1 | Correct | 1.00 |  |
| counts[key] = (counts[key] \* 1) + 1 |  |  |  |
| counts[key] = counts.get(key,-1) + 1 |  |  |  |
| counts[key] = (key in counts) + 1 |  |  |  |
| counts[key] = key + 1 |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 8**

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

x = dict()

...

for y in x :

...

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| It loops through the keys in the dictionary | Correct | 1.00 |  |
| It loops through the values in the dictionary |  |  |  |
| It loops through all of the dictionaries in the program |  |  |  |
| It loops through the integers in the range from zero through the length of the dictionary |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 9**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| values() | Correct | 1.00 |  |
| items() |  |  |  |
| keys() |  |  |  |
| all() |  |  |  |
| each() |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 10**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| An alternate key to use if the first key cannot be found |  |  |  |
| The key to retrieve |  |  |  |
| The value to retrieve |  |  |  |
| To provide a default value if the key is not found | Correct | 1.00 |  |
| Total |  | 1.00 / 1.00 |  |

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