**Chapter 9 Quiz**

**TOTAL POINTS 10**

1.Question 1

How are Python dictionaries different from Python lists?

1 point



Python dictionaries are a collection and lists are not a collection



Python lists store multiple values and dictionaries store a single value



Python lists can store strings and dictionaries can only store words



Python lists maintain order and dictionaries do not maintain order

2.Question 2

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

1 point



Associative arrays



Sequences



Closures



Lambdas

3.Question 3

What would the following Python code print out?

stuff = dict()

print(stuff['candy'])



candy



-1



The program would fail with a traceback



0

4.Question 4

What would the following Python code print out?

stuff = dict()

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

1 point



'candy'



0



-1



The program would fail with a traceback

5.Question 5

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

1 point



False



True

6.Question 6

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

1 point



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



Sorting a list of names into alphabetical order



Computing an average of a set of numbers

7.Question 7

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



counts[key] = counts.get(key,0) + 1



counts[key] = (counts[key] \* 1) + 1



counts[key] = counts.get(key,-1) + 1



counts[key] = (key in counts) + 1



counts[key] = key + 1

8.Question 8

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

x = dict()

...

for y in x :



It loops through the keys in the dictionary



It loops through the values in the dictionary



It loops through the integers in the range from zero through the length of the dictionary



It loops through all of the dictionaries in the program

9.Question 9

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

1 point



keys()



items()



values()



each()



all()

10.Question 10

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

1 point



The value to retrieve



The key to retrieve



To provide a default value if the key is not found



An alternate key to use if the first key cannot be found