Assignment-5

1. What does an empty dictionary's code look like?

Ans: An empty pair of curly braces{ } is an empty dictionary.

2. What is the value of a dictionary value with the key 'foo' and the value 42?

Ans: {‘foo’ : 42}

3. What is the most significant distinction between a dictionary and a list?

Ans: The most significant distinction between a dictionary and a list is that the items stored in a dictionary are unordered, while the items in a list are ordered.

4. What happens if you try to access spam['foo'] if spam is {'bar': 100}?

Ans: We get a Key error.

5. If a dictionary is stored in spam, what is the difference between the expressions 'cat' in spam and 'cat' in spam.keys()?

Ans: There is no difference, the expression “ ‘cat’ in spam” checks whether ‘cat’ is a key in spam.

6. If a dictionary is stored in spam, what is the difference between the expressions 'cat' in spam and 'cat' in spam.values()?

Ans: ‘cat’ in spam checks whether ‘cat’ exists as a key in spam. ‘cat’ in spam.values() checks whether ‘cat’ is a value in spam.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans: spam.setdefault('color','black')

8. How do you "pretty print" dictionary values using which module and function?

Ans: The module is pprint.

The functions are pprint.pprint() and pprint.pformat().