ASSIGNMENT - 5

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

It would be two curly braces. Ex: {}

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

{'foo':42}

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

Dictionary will have keys and respective values whereas the list will have only values. The keys acts as reference to the values in dictionaries. The items in the dictionary are unordered and in the list they will be in ordered form.

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

We will end up with keyerror.

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

There is no difference as both would return the same value. The 'in' operator would check whether a value exists as a key in the dictionary.

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

'cat' in spam checks whether there is a 'cat' key in the dictionary, while 'cat' in spam.values() checks whether there is a value 'cat' for one of the keys in spam.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

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

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

pprint.pprint()