Assignment 5:

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

It will look loke { }.

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?

List contains values whereas dictionary contains key-value pairs.this is the main difference.

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

It will throw error which is keyerror. Because we try to access 'foo' from the dictionary spam which is not available.

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 spam['cat'] and spam.keys() are checking weather key 'cat' is exist in the dictionary or not.

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

'cat' in spam.values()?

'cat' is a key exist in spam dictionary whereas spam.values() will retrieve the values of the dictionary and check there is value 'cat' available in the dictionary.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

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

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

pprint.pprint()