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

Dict = {}

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

42

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

List is Ordered and Dictionary is Unordered

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

We will get a KeyError

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

'cat' is a String.

spam.keys() will return a list and ‘cat’ will be an item in the list of keys in the dictionary spam

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 String.

spam.values() will return a list or values and ‘cat’ will be an item in the list of values in the dictionary spam

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

spam[‘color’] = ’black’

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

pprint module

pprint function