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

**Solution : dict = {}**

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

**Solution : dict ={‘foo’:42}**

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

**Solution : The items stored in the dictionary are Unordered while in list items are ordered.**

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

**Solution :**

**This will through KeyError**

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

**Solution: There is no difference. The in operator checks 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()?

**Solution : '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'

**Solution : spam.setdefault('color', 'black')**

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

**Solution : pprint.pprint()**