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

{}

**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?**

The items stored in a dictionary are unordered, while the items in a list is ordered.

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

KeyError error

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

Both are same. No difference as such. The ‘in’ operator basically 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()?***

*‘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'**

spam.setdefault(‘color’, ‘black’)

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

pprint.pprint