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

It's just two brackets {}

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

{'foo' : 42}. Here the key is 'foo' and the value is 42.

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

The items stored in a list are ordered unlike the dictionary items that are unordered.

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

Error- keyerror

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

If you look at it there isn't any difference because the in operator just checks if 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 will look for the 'cat' key in the dictionary whereas 'cat' in spam.values() will look for a value 'cat' assigned to one of the keys 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?**

print.pprint()