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

dict() executing this code will create an empty dictionary

**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 is a collection of various elements while dictionary is a key-value pair. List is ordered collection while dictionary is unordered collection.

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

If we try to access spam['foo'] we will get Key Error

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

It will be same only.

**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 try to search ‘cat’ word in the values whereas and 'cat' in spam.keys() will try to search ‘cat’ word in the keys of dictionary

**7. What is a shortcut for the following code?**

**if 'color' not in spam:**

**spam['color'] = 'black'**

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

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

import pprint

pprint.pprint(spam)