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

**Ans: {}**

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

**Ans: {‘foo’:42}**

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

**Ans: Dictionary has a key and value pair while a list has only values.**

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

**Ans: KeyError occurs because the given key doesnot exists.**

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

**Ans: Both are same as both look for ‘cat’ in keys of 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()?

**Ans: ‘cat’ in spam looks for Key ‘cat’ in the dictionary while ‘cat’ in spam.values() search for ‘cat’ in the values of the dictionary.**

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

**Ans: Above code in the shortest method to insert a key value pair after checking if the key already exists in the dictionary.**

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

**Ans: json module and dumps() function**