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

emptyDict = {}

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

x={"foo":42}

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

A list is an ordered sequence of objects, whereas dictionaries are unordered sets hence items in dictionaries are accessed via keys and not via their position.

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

KeyError: 'foo'

**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 returns True

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

For 'cat' in spam.values() it gives AttributeError: 'dict' object has no attribute 'value'

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

if 'color' not in spam:

spam['color'] = 'black'

{spam=’color’:’black’ if 'color' not in spam}

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

# module import pprint

using the function pprint.pprint()