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 main difference between dictionary and list is : The items stored in dictionary are unordered, while the items in a list are ordered.**

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

**KeyError will be raised.**

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

**There will not be any difference.**

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 a key named ‘cat’ is present in the dictionary or not, whereas ‘cat’ in spam.values() checks that whether there is a value named ‘cat’ for 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?

**pprint.pprint()**