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:** Items in dictionary are accesses via keys and not by their position.

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

**Ans:** We will get a keyError error.

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

**Ans:** No Difference

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** checks if there is key with name ‘cat’ in the dictionary, while **'cat' in spam.values()** checks if there is a value 'cat' for one of the keys in spam.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

**Ans:** spam.setdefault(‘color’,’black’)

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

**Ans:** pprint.pprint()