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.The items in a dictionary are unordered whereas in lists they are ordered.

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

Ans. KeyError will occur

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

Ans. There is no difference. The 'in' operator will check whethe 'cat' exists as key in the dictionary or not.

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

Ans. The 'cat' in spam checks whether there is a 'cat' key in the dictionary while 'cat' in spam.values() will check whether 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()