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

Answer- {}

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

Answer- {'foo': 42}

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

Answer- The items stored in a dictionary are unordered
        The items stored in a dictionary are are ordered.

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

Answer-   we will get an error.

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

Answer-   There is 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()?

Answer-   'cat' in spam checks whether there is a 'cat' key in the dictionary.
        'cat' in spam.values() checks 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'

Answer-   spam.setdefault('color', 'black')

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

Answer-   pprint.pprint()