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

**Solution:** {}

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

**Solution:** {‘foo’ : 42}

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

**Solution:** The items in dictionary are unordered whereas in list they are ordered.

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

**Solution:** 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()?

**Solution:** No difference. The code checks if the key is present in the dictionary.

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

**Solution:** The first code will search for cat in keys while second will search for cat in values.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

**Solution:** spam.setdefault('color', 'black')

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

**Solution:** pprint.pprint()