1. An empty dictionary's code look like two curly brackets: {}.

2. The value of a dictionary value with the key 'foo' and the value 42 is {'foo': 42}.

3. The items in a list are ordered items, while the items stored in a dictionary are unordered.

4. We will get a KeyError error.

5. There is no difference. The in operator checks whether a value exists as a key in the dictionary.

6. 'cat' in spam checks whether there is a 'cat' key in the dictionary, while 'cat' in spam.values() checks whether there is a value 'cat' for one of the keys in spam.

7. spam.setdefault('color', 'black').

8. pprint.pprint()