1. Two curly brackets: {}

2. In [1]:

{'foo': 42} Out[1]:

{'foo': 42}

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

4. In [2]:

spam= {'bar': 100}

In [5]:

spam['foo'] --------------------------------------------------------------------------- KeyError Traceback (most recent call last) in ----> 1 spam['foo'] KeyError: 'foo' We 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. if 'color' not in spam:

spam['color'] = 'black' spam.setdefault('color', 'black')

8. pprint.pprint(