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

--{}

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

--{‘foo’: 42}

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

--Item are unordered in a dict while in list it’s ordered.

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

-- KeyError.

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

--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()?

--1. It checks cat in keys while the other one in values.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

--spam.setdefault(‘color’,’Black’)

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

-- pprint.pprint()