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?

List data are retrieved by the index number but dictionary data are retrieved by the by keys.

Dictionary are unordered, list are 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()?

‘cat’ in spam checks whether there is a ‘cat’ in keys. And ‘cat’ in spam.values() checks whether there is a value ‘cat’

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()