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

Curly brackets: {}

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?

Dictionary stores the items in key value pair unlike indexes for

lists, indexes for dictionaries can use many different data types not only

integers. Lists have items in ordered .

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

We will notice a 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()?

Both ‘In’ operator and spam.keys() look for whether a value exists as a key in the dictionary or not so there is 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()?

Here 'cat' in spam look for whether there is a 'cat' key is available in the dictionary, while 'cat' in spam.values() exactly look for value 'cat' in any of the keys in spam.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

ANSWER:

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

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

ANSWER:

pprint.pprint()