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

Empty curly brackets {} is the code for empty dictionary.

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

The dictionary is { ‘foo’ : 42 } so value is 42.

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

In dictionary elements are stored in key value pair and doesn’t require any order to store.

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

We get an error as the key is not present in the dictionary.

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

Both are same, they check for ‘cat’ key in the dictionary.

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 key called as ‘cat’ is present in dictionary. And ‘cat’ in spam.values() checks if there is value called as ‘cat’ in values.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

it is like setting the default color as black.

spam.setdefault(‘color’, ‘black’)

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

pprint.pprint() is used for pretty print.