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

Ans: Empty dictionary is written as: {}

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

Ans: {‘foo’:42}

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

Ans: Dictionary elements are stored in terms of key value pairs, whereas in list, the elements are stored sequentially.

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

Ans: I will get 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()?

Ans: 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()?

Ans: ‘cat’ in spam checks whether there is any key called ‘cat’, whereas ‘cat’ in spam.values() checks whether there is any value with ‘cat’ for any of the key.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans: spam.setdefault(‘color’,’black’)

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

from pprint import pprint

ppprint module, pprint() function