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

Ans) dictionary = {}

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) List are represented by [] and dictionaries are represented by {}.

A list is ordered sequence of items, whereas dictionaries are unordered sets

Dictionaries are accessed via keys and not via their position.

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

Ans) KeyError: 'foo'

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

Ans) 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 means that the interpreter will check if there is key name ‘cat in the dictionary and ‘cat’ in spam.keys() will check if there is any cat value in dictionary for the keys in that.

7. What is a shortcut for the following code?

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

if 'color' not in spam:

spam['color'] = 'black'

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

Ans)

1. by using pprint() function of pprint module
2. by using dumps() method of json module
3. by using dumps() method of yaml module