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

A). {} or dict()

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

A). {‘foo’:42}

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

A). list are denoted by [] and stores values by index sequence whereas dictionaries are denoted by {} and stores in key : Value pair.

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

A), you will get ‘Key error’

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

A) There is no difference between those two statements. Both are checking whether ‘cat’ key exist in spam dictionary or not.

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

A). ‘cat’ in spam: checks whether ‘cat’ key exist or not in dictionary.

‘cat’ in spam.values(): checks whether ‘cat’ value exist in the dictionary.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

A). spam.setdefault(color:’black’)

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

A). pprint is a Python module that provides the capability to pretty print Python data types to be more readable. This module also supports pretty-printing dictionary.

Within the pprint module there is a function with the same name pprint(), which is the function used to pretty-print the given string or object.