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

Dict = {}

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

{“foo”:42} - key is foo and value is 42.

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

A dictionary has a key value pair as an element whereas a list has a value as an element.

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

It will give a KeyError.

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 it will check for ‘cat’ in all the keys 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 will check ‘cat’ in the keys of the dictionary but ‘cat’ in spam.values() will check ‘cat’ in the values of the dictionary.

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?

pprint.PrettyPrinter()