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

ANS: {}

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

ANS: 42

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

ANS: In dictionary values are stored in key value pair and unordered however in list values stored in indexes which starts from 0 and are ordered.

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

ANS: KeyError

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

ANS: both have same meaning

1. 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 will search for ‘cat’ in keys of the spam dictionary whereas

‘cat’ in spam.values() will search for ‘cat’ in values of the spam dictionary.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

ANS: spam.setdefault('color', 'black')

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

ANS: pprint module and pprint function