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 : {‘foo’:42}

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

Ans : The values stored in a list are in sequence order while the values stored in dictionary are unordered.

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

Ans : will we get keyError since the key ‘foo’ is not there in the dictionary.

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

Ans : As the in operator checks whether a value present as a key or not in the dictionary, there will be no difference.

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

Ans : There is a value ‘cat’ for one of the keys in spam.

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?

Ans : by using pprint.pprint( )