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: Dictionaries contain key:values pair.And can be accessed by key. But elements of List can be accessed by index.

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

Ans: It will give keyerror because the key ‘foo’ is not in spam (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: The expression spam[‘cat’] will give the corresponding value of the key ‘cat’

While the latter spam.keys() will return the ‘cat’ which is the string of key.

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

Ans: The expression spam[‘cat’] will give the corresponding value of the key ‘cat’

While the latter spam.values() will return the values of the key ‘cat’. Both are same.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans: spam['color'] = 'black'

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

Ans: Import pprint

pp = pprint.PrettyPrinter(width =2)----##create pretty printer object

pp.pprint(dict)