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: In list we can access the value on by calling index number. But in dictionary we can access the value by calling key.

1. 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 are same

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 the key ‘cat’ in spam

Cat in spam.values() will search the value ‘cat’ in spam dictionary.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans: spam.setdeault(‘color’,’black’)

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

Ans: