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

{}

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

{‘foo’: 42}

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

Dictionary has key value pair, whereas list as elements

Dictionary has unordered items whereas items in list are ordered.

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

It will give KeyError

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

No difference.

‘cat’ in spam checks if there is a ‘cat’ key in dictionary.

‘cat’ in spam.keys() checks whether value exists as a key in dictionary.

1. 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 checks if there is a ‘cat’ key in dictionary.

‘cat’ in spam.values() checks if there is a ‘cat’ value in dictionary.

1. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

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

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

pprint()