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 and to access a value it’s key is needed while in list values are in ordered index form. So to access a value in list it’s index is needed

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

=> key error

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

=> both are same and give same boolean output

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 => check ‘cat’ is present in keys of spam if yes then output is True else False.

'cat' in spam.values => check ‘cat’ is present in values of spam if yes then output is True else False.

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?

Module => pprint

Function => pprint()

Code => pprint.pprint()