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

myD={}

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

myD={'foo':42}

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

Dictionary contains items in the pairs of key and value where keys are unique.

List maintain items which can be accessed using their respective indices.

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

It will throw key error as ‘foo’ is not present as key under dictionary spam.

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

Both will look for ‘cat’ under keys of spam.

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 : will look for ‘cat’ under keys

‘cat’ in spam.values() : will look for ‘cat’ under dictionary values

7. 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.pprint()