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

D={}

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

D={‘foo’:42}

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

List is used to store data which is ordered and mutable.

Dictionary is used to store data which has key value pair and unordered.

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

It will throw keyerror

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

Spam[‘cat’] gives values of key ‘cat’

Spam.keys fives list of all keys in spam dict.

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

Spam.values() gives list of all values in spam dictionary.

Spam[‘cat’] gives value of key ‘cat’

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

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

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

Ans: pprint.pprint()