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

X ={}

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

X = {‘foo’ : 42}

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

List has series of different or similar data types, dictionary has key value pairs

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

It throws key error as key does’nt exist in the spam

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

‘cat’ in spam will check whether the key exist in the dictionary, ‘cat’ in spam.keys() whether the key exist in the list of all the keys in the dictionary

6. 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 check whether the key exist in the dictionary, ‘cat’ in spam.values() whether the value exist in the list of all the values in the dictionary

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

we can just use spam['color'] = 'black' to add the key value pair to the dictionary

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

pprint

PrettyPrinter()