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

A = {}

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

{‘foo’:42}

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

A dictionary contains data in key:value pairs while a list stores individual values. The values in a dictionary can be retrieved using the keys while list values can only be retrieved using their indexes

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

Returns a KeyError

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

Both experssions retuen the same value

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 looks for the string in the keys of the dictionary

‘cat’ in spam.values() looks for the string in the values of the keys of the dictionary

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

spam.setdefault(‘color’,’black’)

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

We can use the pprint module and PrettyPrinter() function within that to pretty print dictionary values