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

**dic = {}**

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?

List - items in the list are Ordered

Dictionary : item in dictionary are unordered

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

This will give us KeyError.

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

No difference

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 checks whether there is a 'cat' key in the dictionary

'cat' in spam.values () checks whether there is a value 'cat' for one of the keys in spam.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

This can be achieved by using setdefault(), which Inserts key with a value of default if key is not in the dictionar.y

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

Pretty printing means to present something in a more readable format or style.

pprint module