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

Ans: {}

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

Ans: {'foo': 42}

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

Ans:

* Items in dictionary can b accessed by using key
* Items in list can be accessed by using index

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

Ans: We will get a key error

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

Ans : Both expression will if there is any key named 'cat'

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

Ans:

* 'cat' in spam will check if there is any key named 'cat'
* 'cat' in spam.values()check if there is any value in the dictionary named 'cat'

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans: spam['color'] = 'black'

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

Ans:

* Module: print
* Function: print. Print(sample dictionary)