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

{}

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

42

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

List can have elements but dictionary will have key,value pairs

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

It will gives keyerror.

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 behave like key in dictionary

‘cat’ in spam.keys() will behave like list item

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 behave like key in dictionary

‘cat’ in spam.values() will have value of ‘cat’ in list

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

spam[‘color’] == ‘balck’

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

Dict.values()