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

data must be inside the curl bracket ‘{ }’

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?

Square bracket for list , List have index in itself

Curl bracket for dictionary, Dic have the key value.

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

It will give key error as there is no ‘foo’ key in the above dictionary

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

spam[‘cat’] it will try to find the value of key ‘cat’ in dictionary.

Spam.keys() will give all the keys in dictionary

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

spam[‘cat’] it will try to find the value of key ‘cat’ in dictionary.

Spam.values() will give all the values in 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?