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

answers:-dict={}

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

answers:-dict={‘foo’:42} -values is 4

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

answers:-list makes use of [] and contains any values , dictionary makes use of {} and with a combination of key and value pair i.e dict={‘foo’:42}

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

answers:-we will get a keyerror if the key is not present in dictionary

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

answers:-'cat' in spam will give true or false for a given data is present in dictionary and 'cat' in spam.keys() will give true or false if the element is key

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

answers:-'cat' in spam will give true or false for a given data is present in dictionary and 'cat' in spam.values() will give true or false if the element is value

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

answers:-spam.setdefault('color','black')

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

answers:-from pprint import pprint , pprint()