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

Ans1 – It will look like {}

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

Ans2 {‘foo’:42}

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

Ans3 The most significant distinction is dictionary are unordered whereas list have items in ordered sequence.

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

Ans4 – we will get 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()?

Ans5 – There will be no difference, the **in** operator in both cases will check if ‘cat’ exists as key in dictionary or not.

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

Ans6 **‘cat’ in spam** will check if ‘cat’ present as key in dictionary or not whereas **‘cat’ in spam.values()** will check there is any value ‘cat’ present in for any key inside the dictionary or not.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans7 spam.setdefault('color', 'black')

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

Ans8 pprint.pprint()

All we need to is to import pprint function from pprint module