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

**Ans**: We use two empty curly brackets to represent empty dictionary.

**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:** A dictionary represents in {} whereas a list represents in [].

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

**Ans:** We will get a keyError KeyError: 'foo'

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

**Ans:** There is no difference . The operator checks whether a value exits as a key in the 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()?

**Ans:** 'cat' in spam checks whether there is a 'cat' key in the dictionary, while 'cat' in spam.values() checks whether there is a value 'cat' for one of the keys in spam.

**7**. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

**Ans:** The shortcut is spam.setdefault('color','black')

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

**Ans:** We can pretty print a dictionary using three functions

1. by using pprint() function of pprint module
2. by using dumps() method of json module
3. by using dumps() method of yaml module