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

Ans: d = {}

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

Ans:- 42

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

Ans: Dictionary in python consists of keys and values assigned to them while lists only contain ordered objects. In the case of dictionary, we need to use keys to access values while in case of list we only need indices.

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

Ans : We will get keyerror

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

Ans: 'cat' in spam will check ‘cat’ is part of the dictionary or not while 'cat' in spam.keys() will check ‘cat’ is part of keys 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 will check ‘cat’ is part of the dictionary or not while 'cat' in spam.values() will check ‘cat’ is part of values or not.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

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

Ans : pretty print.values()