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

Ans:-dict={}

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

Ans:- a={"foo":42}

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

Ans:- The items in a dictionary are unordered and items in a list are ordered.

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

Ans:-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 give you info whether cat is present in spam or not in terms of Boolean.

'cat' in spam.keys() will give you info whether cat as key present in list of keys or not in terms of Boolean.

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 give you info whether cat is present in spam or not in terms of Boolean.

'cat' in spam.keys() will give you info whether cat as key present in list of keys or not in terms of Boolean.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

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

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

Ans:- pprint.pprint()