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:

d = {“foo”:42}

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

Ans:

List is ordered. List elements are accessed by position

Dictionary is unordered. Dictionary elements are accessed by keys not using position.

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 checks whether string ‘cat’ is exists in the list of all keys.

‘cat’ in spam.keys() checks whether the string ‘cat’ is exists in the list of all keys of dictionary spam

So, both are same.

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 string ‘cat’ is exists in the list of all keys.

‘cat’ in spam.values() checks whether the string ‘cat’ is exists in the list of all values of dictionary spam

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:

We can use pprint() method of pprint() module to pretty print the dictionary values.