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

Ans: An empty dictionary code without any items is written with just two curly braces, like this: {}.

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: List stores elements as a collection, of different datatypes. Square brackets “[]” are used to create list. Dictionary stores elements as key:value pairs. Curly braces “{}” are used to create dictionary. List and Dictionary are mutable, we can change and update them.

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

Ans: we’ll get key error as ‘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: Both the expresions are same. ‘cat’ in spam checks the ‘cat’ key in the dictionary, and ‘cat’ in spam.keys() also checks the ‘cat’ key in dictionary.

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 the ‘cat’ key in the dictionary, and ‘cat’ in spam.values() checks the ‘cat’ value in dictionary.

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.pprrint()githubgithub