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

Ans:

An empty dictionary is represented by two empty curly brackets

emp\_dict = {}

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

Ans:

{'foo' : 42}

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

Ans:

* List can be indexed and sliced but dictionary cannot be sliced
* The Items stored in a dictionary are unordered while the items in a list are ordered
* Dictionaries are represented by {} while list are represented by []

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

Ans:

We will get a keyError as below

`KeyError: 'foo'

1. 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 both will checks whether a ‘cat’ exits as a key in the dictionary or not

1. 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:

**spam.setdefault('color','black')**

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

Ans:

Pprint module can be used to improve look and feel and formatting of standard output printed using Python in a terminal. By formatting the output, you can improve its readability and even export it to an external file to store the better structured output.

we can pretty print a dictionary using three functions

1. by using pprint() function of pprint module

\* \*\*Note:\*\* pprint() function doesnot prettify nested dictionaries

2. by using dumps() method of json module

3. by using dumps() method of yaml module