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

Answer:

An empty dictionary looks like dict={}

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

Answer:

Dict={‘foo‘:42}

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

Answer:

Lists are denoted within square brackets [] and dictionaries are denoted within {} and in dictionary the elements are denoted as key value pairs.

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

Answer:

spam={'bar':100}

spam['foo']

KeyError Traceback (most recent call last)  
[<ipython-input-1-cea1cd791e68>](https://localhost:8080/#) in <cell line: 2>()  
 1 spam = {'bar':100}  
----> 2 spam['foo']  
  
KeyError: 'foo'

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

Answer:

In is a membership operator which is used to check whether an element is present or not.

There is no difference in both the syntax.

6. If a dictionary is stored in spam, what is the difference between the expressions ‘cat’ in spam and ‘cat’ in spam.values()?

Answer:

‘cat’ in spam is true but ‘cat’ in spam.values() is false because cat is a key not a value.

7. How do you “pretty print” dictionary values using which module and function?

Answer:

import pprint

dict={'name':'diya','gender':'female','age':20}

pprint.pprint(dict)

Output:

{'age': 20, 'gender': 'female', 'name': 'diya'}