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

**Answer: empty dictionary’s code look like**

**two curly brackets : {}**

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

**Answer:**

**{‘foo’ : 42}**

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

**Answer:**

**The items stored in a dictionary are unordered, while the items in a list are ordered.**

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

**Answer: Key Error**

**KeyError Traceback (most recent call last)**

**<ipython-input-30-353983a69fca> in <module>**

**----> 1 spam['foo']**

**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()?

**Answer:**

**There is no difference. The in operator checks whether a value exists as a key in the dictionary.**

1. 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 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.**

1. What is a shortcut for the following code?

Answer:

if 'color' not in spam:

spam['color'] = 'black'

**Answer:**

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

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

**Answer:**

**pprint.pprint()**