

Assignment 5

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

Ans: Two curly brackets: {}

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

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

Ans: You get a `KeyError` error.

5. 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. The `in` operator checks whether a value exists as a key in the 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 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')

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

Ans: pprint.pprint()