

PYTHON: ASSIGNMENT 5

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

SOLUTION- `dict = {}`

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

SOLUTION- The value will be 42.

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

SOLUTION- Dictionary store data in the form of key value pair, but list store the data for single values only

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

SOLUTION- It will give the error while accessing the `spam['foo']`

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

SOLUTION- The `CAT` in `spam.keys()` will be inside a tuple. Because the keys in a dictionaries are immutable.

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

SOLUTION-

7. What is a shortcut for the following code?

`if 'color' not in spam:`

`spam['color'] = 'black'`

SOLUTION- We can simply write `spam['color'] = 'black'`. Because Key is a unique value.

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

SOLUTION-