

ASSIGNMENT-5

1. `d={}`
2. 42 is the value of a dictionary value with the key 'foo' and the value 42.
3. In list every element has a distinct index to access them where as in dictionary elements are stored in key-value pair where key is like a named index and value is the element.
4. When you try to access `spam ['foo']` if `spam` is `{'bar':100}` error occurs.
5. There is no difference. Both 'cat' in `spam` and `spam.keys()` checks whether there is a 'cat' key in the dictionary.
6. 'cat' in `spam` checks whether there is a 'cat' key in the dictionary. While `spam.values()` checks whether there is a value 'cat' for one of the keys in `spam`.
7. `spam.setdefault('color', 'black')`
8. We can pretty print dictionary values using `pprint` module and `pprint` function.