**Assignment 5**

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

Ans:- dict\_a = {}

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

Ans:- dict\_b = {‘foo’ : 42}

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

Ans:- dictionary stores key value pair, list stores only values.

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

Ans:- Key error

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

Ans:- 'cat' in spam checks if 'cat' is a key directly present in the spam dictionary.

'cat' in spam.keys() checks if 'cat' is present in the list of keys obtained from spam.keys().

In practical terms, both expressions will give the same result because checking for a key directly in the dictionary is equivalent to checking for it in the list of keys.

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7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans:- spam['color'] = 'black'

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

Ans:-

import pprint

my\_dict = {'name': 'John', 'age': 30, 'city': 'New York'}

pprint.pprint(my\_dict)