**Python Assignment 5**

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

**Ans:** Empty\_dict = {}

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

**Ans:** dict\_value = {‘foo’: 42}

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

**Ans:** Dictionary are the structures which holds data in key value pair format. It can be created with {} bracket. List are ordered collection of elements. It can be created with [] bracket.

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

**Ans:** It will throw an 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:** The in operator checks whether a value exists as a key in the dictionary. 'cat' in spam checks whether there is a key in the dictionary with name 'cat', while 'cat' in spam. values() checks whether there is a value 'cat' for one of the keys in spam.

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1. **What is a shortcut for the following code?**

**if 'color' not in spam:**

**spam['color'] = 'black'**

**Ans:** spam = {‘color’: ‘black’}

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

**Ans:** The python pprint (pretty-print) module provides a function to display complex data structures like dictionaries in a more readable format.

Import pprint

Data = {‘key1’: 30, ‘key2’: 40}

Pprint.pprint(data)