**Python Basics Assignment-05**

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

**Answer:**

dict\_1 = dict()

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

**Answer:** {'foo': 42}

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

**Answer:** The elements of the list have a specific index value. Therefore, the indices of the elements within a list start from zero.

The dictionary is associated with the keys. Therefore, the key can be of any data type without considering indices.

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

**Answer:** There will be a KeyError: ‘foo’

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

**Answer:** Both are same. In such case, 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()?**

**Answer:** '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'**

**Answer:**

spam['color']='black'

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

**Answer:** The module used is the pprint module within which we have the pprint function of the same name. The function can be implemented to pretty-print the specific string or object.

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