**ASSIGNMENT-NO.5**

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

**ANSWER:** An empty pair of curly braces {} is an empty dictionary

**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:** A list refers to a collection of various index value pairs like that in the case of an array in C++. A dictionary refers to a hashed structure of various pairs of keys and values. In this article, we will discuss the same in a tabular form.

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

**ANSWER:** We get a KeyError error.

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

**ANSWER:** There is no difference. The in operator checks whether a value exists as a key in the dictionary. '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 .

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

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

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

**ANSWER:** spam.setdefault('color', 'black')

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

**ANSWER:** pprint.pprint()