**ASSIGNMENT-5**

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

Ans: An empty dictionary code looks like:

dict = {}

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

Ans: The value looks like : dict= {‘foo’ : 42}

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

Ans: A list stores elements as a collection elements which can be of different data types but a dictionary stores elements as a key-value pair. Elements in list are ordered but in a dictionary it is not ordered. Also the elements of a list are accessed by their indices but the elements of a dictionary are accessed through their keys.

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

Ans. It is going to show Key Error because there is no key named ‘foo’ in spam.

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

Ans. There is no difference.

spam = {'cat':20}

* 'cat' in spam

Out: True

* ‘cat’ in spam.keys()

Out: True

Because both the statement will check if ‘cat’ is key of dictionary spam.

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

Ans: spam = {'cat':20}

* ‘cat’ in spam

out: True

* ‘cat’ in spam.values()

out: False

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

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

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

Ans. spam = {'cat':20}

spam.setdefault(‘color’ , ’black’)

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

Ans. The module is pprint.

The functions are pprint.pprint() and pprint.pformat().