**Assignment -5**

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

Ans . To create an empty dictionary, the dictionary should be set to {}. This is shown in the code below. So, with this code above, we create a dictionary called items which is set equal to {}. So this dictionary named items is empty.

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

Ans. The items stored in a dictionary are unordered, while the items in a list are ordered.

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

Ans .List are just like the arrays, declared in other languages. Lists need not be homogeneous always which makes it a most powerful tool in Python. A single list may contain Data Types like Integers, Strings, as well as Objects. Lists are mutable, and hence, they can be altered even after their creation.

**Dictionary** in Python on the other hand is an unordered collection of data values, used to store data values like a map, which unlike other Data Types that hold only single value as an element, Dictionary holds key value pair. Key-value is provided in the dictionary to make it more optimized. Each key-value pair in a Dictionary is separated by a colon :, whereas each key is separated by a ‘comma’.

1. What happens if you try to access spam if spam is 100?

Ans. There is no difference. The in operator checks whether a value exists as a key in the dictionary.

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

Ans. **Use pprint()** to Pretty Print a Dictionary in Python  
Within the pprint module there is a function with the same name pprint() , which is the function used to pretty-print the given string or object. Firstdeclare an array of dictionaries. Afterward, pretty print it using the function pprint.