

## Practical No:08

### Write a python program to illustrate the concept of Dictionary

#### Dictionaries

##### Introduction to Dictionary

**Definition :** In python, dictionary is unordered collection of items. These items are in the form key-value pairs.

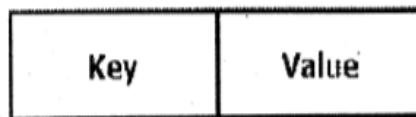


Fig. 3.4.1 Dictionary element

- The dictionary contains the collection of indices called **keys** and collection of **values**.
- Each key is associated with a single value.
- The association of keys with values is called **key-value pair or item**.
- Dictionary always represent the mappings of keys with values. Thus each key maps to a value.

##### How to create dictionary ?

- Items of the dictionary are written within the {} brackets and are separated by commas.
- The key value pair is represented using : operator. That is **key:value**.
- For example

```
my_dictionary={1:'AAA',2:'BBB',3:'CCC'}
```

- The keys are unique and are of immutable types - such as string, number, tuple.
- Here is a screenshot that shows how to create a dictionary

**Write a python program to sort the elements of dictionary.**

### **Sort.py**

```
d={'Red':10, 'Blue':42, 'Yellow':32, 'Orange':21}
myList=list(d.keys())
print(myList)
myList.sort()
print("Sorted list based on Keys")
for i in myList:
    print(i)
```

### **Output**

```
Sorted list based in Keys
Blue
Orange
Red
Yellow
```

**Result: We have successfully studied concept of dictionary Data structure in Python.**