## **Dictionary**

A dictionary is a collection which is unordered, changaeble and indexed. In Python dictionaries are written with curly brackets, and they have keys and values. Duplicates are not allowed in dictionary. in python 3.7 i.e, the latest version dictionary are odered.

Mutable, Indexing is there, Duplicates are not allowed.

```
In [1]:
         dictionary={}
         type(dictionary)
In [2]:
Out[2]:
In [3]:
         dic={1,2,3,4,5}
In [4]:
         type(dic)
Out[4]:
         # Creating a dictionary
In [5]:
         my_dict={"Car1":"Audi", "Car2":"BMW", "Car3":"Mercidies Benz"}
         type(my_dict)
In [6]:
         dict
Out[6]:
In [7]:
         # Access the item values based on keys
         my_dict['Car1']
         'Audi'
Out[7]:
In [8]:
         # We can even loop through the dict values
         for x in my_dict:
             print(x)
         Car1
         Car2
         Car3
         for x in my_dict.values():
In [9]:
             print(x)
         Audi
         BMW
        Mercidies Benz
```

## **Nested Dictionary**