Dictionary

It is a key value pair

```
d1 ={}

/this is a dictionary
```

```
d2 = {"david":"foodie" , "aman" : "skinny"}
print(d2)
print(d2["david"])

// output is "foodie"
```

There can be a dictionary inside a dictionary

for e.g :

```
d2 = {"david":"foodie" , "aman" : "skinny" , "sneha":{"b":'maggie' , "l":'
roti'}}
print(d2)
print(d2["sneha"])

// {'david': 'foodie', 'aman': 'skinny', 'sneha': {'b': 'maggie', 'l': ' roti'}}
{'b': 'maggie', 'l': ' roti'}
```

There is auto update :

```
d2 = {"david":"foodie" , "aman" : "skinny" , "sneha":{"b":'maggie' , "l":'
roti'}}
```

```
d2["ankit"] = "junk food"
print(d2)
```

deleting a key :

```
d2 = {"david":"foodie" , "aman" : "skinny" , "sneha":{"b":'maggie' , "l":'
roti'}}



d2["ankit"] = "junk food"

del d2["aman"]
print(d2)
```

```
d2 = {"david":"foodie" , "aman" : "skinny" , "sneha":{"b":'maggie' , "l":'
roti'}}

d3 = d2
del d3["david"]
print(d2)

// the david from d2 shall also be deleted because the d3 is not making a opy of
the d2 but rather pointing to the d2 dictionary
```

```
d2 = {"david":"foodie" , "aman" : "skinny" , "sneha":{"b":'maggie' , "l":'
roti'}}

d3 = d2.copy()
del d3["david"]
print(d2)
```

```
// this makes a copy of d2
print(d2.get("david")) // prints the value of "david"

d2.update({"Leena":"Toffee"}) //updates / adds leena in the dict.

print(d2.keys()) // prints all the keys only

print(d2.items())
```