Tuple

In [1]:

```
#tuple is collection of ordered ,unchangeble and allow duplicate
#tuples are return in round brackets
```

creation of tuple

In [8]:

```
#tuple can created by using round brackets ()
#and each element seperated by comma ,
tuple1=(20,46,25,3,20,10,3,20,42,20)
tuple1
```

Out[8]:

```
(20, 46, 25, 3, 20, 10, 3, 20, 42, 20)
```

Methods

1.count

In [9]:

```
#count
#count the elements of specified values
tuple1.count(20)
```

Out[9]:

4

2.index

In [10]:

```
#index
#retrun the index of specified value
tuple1.index(10)
```

Out[10]:

5

Functions of Tuple

1.len

In [11]:

```python
#len
#returns the length of tuple
len(tuple1)
```

Out[11]:

```
10
```

2.sort

In [15]:

```python
#sort
#sorting the tuple in ascending or descending order
#ascending order
t1=(5,3,1,2,4)
sorted(t1)
```

Out[15]:

```
[1, 2, 3, 4, 5]
```

In [16]:

```python
#descending order
sorted(t1,reverse=True)
```

Out[16]:

```
[5, 4, 3, 2, 1]
```

3.reversed

In [17]:

```python
#reversed
#reverse the tuple
tuple(reversed(t1))
```

Out[17]:

```
(4, 2, 1, 3, 5)
```

4.min

In [18]:

```python
#min
#returns the smallest value
min(t1)
```

Out[18]:

1

5.max

In [19]:

```python
#max
#returns the largest value
max(t1)
```

Out[19]:

5

6.sum

In [20]:

```python
#sum
#adds the all element in the tuple
sum(t1)
```

Out[20]:

15

In [ ]: