

6th march

tuple

```
In [1]: t=()  
t
```

```
Out[1]: ()
```

```
In [ ]: print(type(t))  
<class 'tuple'>
```

```
In [4]: t1=(10,20,30,40,40)  
t1
```

```
Out[4]: (10, 20, 30, 40, 40)
```

```
In [6]: len(t1)
```

```
Out[6]: 5
```

```
In [8]: t1.count(10)
```

```
Out[8]: 1
```

```
In [10]: t1.count(40)
```

```
Out[10]: 2
```

```
In [12]: t1
```

```
Out[12]: (10, 20, 30, 40, 40)
```

```
In [14]: t1.index(20)
```

```
Out[14]: 1
```

```
In [16]: l5=['a','b','c','d']  
l5
```

```
Out[16]: ['a', 'b', 'c', 'd']
```

```
In [18]: l5[1]=10  
l5
```

```
Out[18]: ['a', 10, 'c', 'd']
```

```
In [21]: t2= (100,3.4,'nit',True,1+2j,[1,2,3],(5,6,7))  
t2
```

```
Out[21]: (100, 3.4, 'nit', True, (1+2j), [1, 2, 3], (5, 6, 7))
```

```
In [23]: print(t)
         print(t1)
         print(t2)

()
(10, 20, 30, 40, 40)
(100, 3.4, 'nit', True, (1+2j), [1, 2, 3], (5, 6, 7))
```

```
In [25]: t1
```

```
Out[25]: (10, 20, 30, 40, 40)
```

```
In [27]: t1[0]
```

```
Out[27]: 10
```

```
In [29]: t1[0]=1000
```

```
-----
TypeError                                Traceback (most recent call last)
Cell In[29], line 1
----> 1 t1[0]=1000

TypeError: 'tuple' object does not support item assignment
```

```
In [31]: icici =(45678, 'cizps7789',332000,98765)
         icici
```

```
Out[31]: (45678, 'cizps7789', 332000, 98765)
```

```
In [33]: icici[0] =1234
```

```
-----
TypeError                                Traceback (most recent call last)
Cell In[33], line 1
----> 1 icici[0] =1234

TypeError: 'tuple' object does not support item assignment
```

```
In [35]: t1
```

```
Out[35]: (10, 20, 30, 40, 40)
```

```
In [37]: t4=t1*3
```

```
In [39]: t4
```

```
Out[39]: (10, 20, 30, 40, 40, 10, 20, 30, 40, 40, 10, 20, 30, 40, 40)
```

```
In [43]: t4[:]
```

```
Out[43]: (10, 20, 30, 40, 40, 10, 20, 30, 40, 40, 10, 20, 30, 40, 40)
```

```
In [45]: t1[:7]
```

```
Out[45]: (10, 20, 30, 40, 40)
```

```
In [47]: t1[2:]
```

```
Out[47]: (30, 40, 40)
```

```
In [49]: t1[0:10:2]
```

```
Out[49]: (10, 30, 40)
```

tuple is completed >>>>

```
In [ ]:
```