tuple

6th march

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

Out[1]: ()

```
In [2]: print(type(t))
```

```
<class 'tuple'>
```

```
In [3]: t1=(10,20,30,40,40)
        t1
```

Out[3]: (10, 20, 30, 40, 40)

```
In [4]: len(t1)
```

Out[4]: 5

```
In [5]: t1.count(10)
```

Out[5]: 1

```
In [6]: t1.count(40)
```

Out[6]: 2

```
In [7]: t1.index(20)
```

Out[7]: 1

```
In [8]: l5=['a','b','c','d']
        l5
```

Out[8]: ['a', 'b', 'c', 'd']

```
In [9]: l5[1]=10
```

```
In [10]: l5
```

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

```
In [11]: t2=(100,3.4,'nit',True,1+2j,[1,2,3],(5,6,7))
         t2
```

Out[11]: (100, 3.4, 'nit', True, (1+2j), [1, 2, 3], (5, 6, 7))

In [12]:
```python
print(t)
print(t1)
print(t2)
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[12], line 1
----> 1 print(t)
      2 print(t1)
      3 print(t2)

NameError: name 't' is not defined
```

In [13]:
```python
t1
```

Out[13]: (10, 20, 30, 40, 40)

In [14]:
```python
t1[0]
```

Out[14]: 10

In [15]:
```python
icici=(45678,'cizps8768',303256,99887)
icici
```

Out[15]: (45678, 'cizps8768', 303256, 99887)

In [17]:
```python
t1
```

Out[17]: (10, 20, 30, 40, 40)

In [18]:
```python
t1[:7]
```

Out[18]: (10, 20, 30, 40, 40)

In [19]:
```python
t1[2:]
```

Out[19]: (30, 40, 40)

In [20]:
```python
t1
```

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

In [21]:
```python
t1[0]
```

Out[21]: 10

In [32]:
```python
t1[0:10:2]
```

Out[32]: (10, 30, 40)

```
In [34]:  t1.add(29)
```

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
Cell In[34], line 1
----> 1 t1.add(29)

AttributeError: 'tuple' object has no attribute 'add'
```

```
In [35]:  t2
```

```
Out[35]:  (100, 3.4, 'nit', True, (1+2j), [1, 2, 3], (5, 6, 7))
```

```
In [37]:  t2.index('nit')
```

```
Out[37]:  2
```

```
In [ ]:
```

```
In [ ]:
```

```
In [ ]:
```

set

```
In [29]:  s ={}
          s
```

```
Out[29]:  {}
```

```
In [30]:  type(s)
```

```
Out[30]:  dict
```

```
In [ ]:  s.
```

```
In [ ]:
```

```
In [ ]:
```

```
In [ ]:
```