

In [4]:

```
my_tuple = (1,2,3,4,5,6)
type(my_tuple)
```

Out[4]:

tuple

In [5]:

```
print(my_tuple[1:5])
```

(2, 3, 4, 5)

In [7]:

```
x = (1,2)
y = (3,4)
print(y+x) #operator '-' is not defined on tuple
```

(3, 4, 1, 2)

In [29]:

```
x = (1,4,8)
y = (3,2,5)
print(x<y)
```

True

In [30]:

```
print(x[-3::2])
```

(1, 8)

TUPLE PACKING & UNPACKING

In [9]:

```
X = 1,2 #tuple packing
type(x)
```

Out[9]:

tuple

In [13]:

```
a,b = x
print(a,b)
```

1 2

swapping number

In [15]:

```
a = 2
b = 5
print('Before: ',a,b)
```

```
x = a,b
b,a = x
print('after: ',a,b)
```

Before: 2 5
after: 5 2

DIFFERENCE BETWEEN LIST & TUPLE LIST -> MUTABLE STRING,TUPLES-> IMMUTABLE

In [24]:

```
my_list =[1,2,3]
print(my_list)
my_list[0] = 'hello'
print(my_list)
```

[1, 2, 3]
['hello', 2, 3]

In [26]:

```
my_tuple =(1,2,3)
print(my_tuple)
my_tuple[0] = 'hello' #ATTENTION
print(my_tuple)
```

(1, 2, 3)

```
-----
TypeError                                Traceback (most recent call last)
<ipython-input-26-ab57e1bfb5da> in <module>
      1 my_tuple =(1,2,3)
      2 print(my_tuple)
----> 3 my_tuple[0] = 'hello' #ATTENTION
      4 print(my_tuple)
```

TypeError: 'tuple' object does not support item assignment