In [11]:
```
#initializing tuple

t = 1,
print(t)

type(t)
```

```
(1,)
```

Out[11]:
```
tuple
```

In [18]:
```
#tuple data access

data = (5, ("Rahat", "Ahmed", "Dider", (7, 8, 1993)))
print(data[1][3][1])
```

```
8
```

In [21]:
```
#tuple is immutable. So if we need to update tuple, we have to change the type
of tuple
tData = list(data)
tData[0] = -3.15
data = tuple(tData)
print(data)
```

```
(-3.15, ('Rahat', 'Ahmed', 'Dider', (7, 8, 1993)))
```

In [27]:
```
#concatening tuple

data1 = (1, 2, 3)
data2 = (3, 4, 5, 6)

data3 = data1 + data2

data3
```

Out[27]:
```
(1, 2, 3, 3, 4, 5, 6)
```

In [28]:
```
#deleting a tupe

del data3
```

In [39]:
```
#count

data = (1, 3, 8, 7, 1, 5, 3, 6, 1)

print(data.count(1))
```

```
3
```

In [40]:
```
#tuple index: return the first occurance of any element from a tuple
print(data.index(3))
```

```
1
```

In [41]:
```
#in/not in: return an element exist or not in atuple

print(7 in data)
print(7 not in data)
```

```
True
False
```

In [42]:
```
#tuple lenght: return the length of the tuple
print(data)
print(len(data))
```

```
(1, 3, 8, 7, 1, 5, 3, 6, 1)
9
```

In [48]:
```
#tuple sort: sort the tuple in accending order. sorted function always return
 a list. So, have to convert it to tuple again
data = tuple(sorted(data))
print(data)
```

```
(1, 1, 1, 3, 3, 5, 6, 7, 8)
```

In [49]:
```
#maximum of a tuple
print(max(data))
```

```
8
```

In [50]:
```
#minimum of a tuple
print(min(data))
```

```
1
```

In [51]:
```
#summation of a tuple
print(sum(data))
```

```
35
```