

Tuples

Tuple is a collection which is ordered and unchangeable. Allows duplicate members.

Not Mutable,

Allows Duplicates Elements,

Indexing is there.

```
In [1]: # Creating empty tuple
my_tuple=tuple()
```

```
In [2]: type(my_tuple)
```

```
Out[2]: tuple
```

```
In [3]: my_tuple=()
print(type(my_tuple))

<class 'tuple'>
```

```
In [4]: my_tuple=("Shantanu","Kumar","Mishra")
```

```
In [5]: my_tuple[0]
```

```
Out[5]: 'Shantanu'
```

```
In [6]: my_tuple[1]="Hello"      # It is not mutable
```

```
-----
TypeError                                Traceback (most recent call last)
~\AppData\Local\Temp\ipykernel_10032\442033449.py in <module>
----> 1 my_tuple[1]="Hello"      # It is not mutable

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

```
In [7]: my_tuple=("hello","Python","Programming","camp")
```

```
In [8]: print(my_tuple)      # whole tuple can be changed

('hello', 'Python', 'Programming', 'camp')
```

```
In [9]: # Inbuilt fn
my_tuple.count('Python')      # How many times 'Python' is presnt
```

```
Out[9]: 1
```

```
In [10]: my_tuple.index('Python')      # Index of 'Python'
```

```
Out[10]: 1
```