

# tuple



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# Agenda

- **tuple**
- **Accessing tuple elements**
- **Built-in Methods**
- **Tuple object methods**
- **Operators on tuple**
- **Slicing operator**



# **tuple**

- **tuple is a class**
- **tuple is iterable**
- **tuple is immutable (not changeable)**
- **tuple is hashable**
- **tuple is a sequence**
- **tuple elements are indexed**

# Accessing tuple elements

- **Indexing**
- **Loops**
- **Slicing operator**

# Built-in Methods

- 1. len()** → returns length of specified iterable
- 2. min()** → returns min value element
- 3. max()** → returns max value element
- 4. sum()** → returns sum of elements
- 5. sorted()** → returns a sorted list of elements



# **Tuple object methods**

- **index()**
- **count()**

# Slicing operator

- Slicing operator take at most 3 arguments
- Or if I don't pass a single argument to the slicing operator, there is no error.

▪ Syntax :- tuple\_Object[ **Beg** : **End** : **Step** ]

Ex :- t1 =

0	1	2	3	4	5	6	7	8	9
T	a	s	i	N	C	o	d	e	r
-10	-9	-8	-7	-6	-5	-4	-3	-2	-1

```
t1 = t1[ :: -1]
```

```
print(t1) #output redoCNisaT
```