



Tuple Methods

Tuple Methods

- The tuple class in Python offers a **limited** number of methods for analyzing data.
- These methods allow users to retrieve information about the **occurrences** of specific elements and their **positions** within a tuple.
- Since tuples are **immutable**, they do not include methods for adding or removing elements.
- The tuple class defines only two methods for data analysis: **.count()** & **.index()**
- These methods provide a **convenient way** to inspect and analyze tuple data.

tuple.count(value)

- Returns the number of times **value** appears in the tuple.

Syntax

```
tuple_variable.count(value)
```

Python

```
my_tuple = (1, 2, 3, 4, 2, 2, 5)  
print(my_tuple.count(2))
```

Output

```
3
```



`tuple.index(value, start, end)`

- Returns the **first occurrence** of the value in the tuple.

Syntax

```
tuple_variable.index(value, start, end)
```

Python

```
my_tuple = (10, 20, 30, 40, 50, 20, 60)
print(my_tuple.index(20))
print(my_tuple.index(20, 2, 6))
```

Output

```
1
5
```





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