

Operations on Tuples in Python

Operations on Tuples in Python

This video discusses the methods and operations that can be performed on **tuples** in Python.

Manipulating Tuples

Since tuples are **immutable**, they cannot be directly changed. To modify a tuple, you must:

1. Convert the tuple to a list.
2. Make the necessary changes to the list.
3. Convert the list back into a tuple.

Concatenating Tuples

You can join two tuples to create a new one using the `+` operator. This operation does not change the original tuples.

Tuple Methods

- **`.count()`**: Returns the number of times a specified value appears.
- **`.index()`**: Returns the index of the first occurrence of a specified element. (Raises a `ValueError` if the element is not found.)
- **`len()`**: Returns the number of elements in a tuple.