Lists vs Tuples

in Python : The Essentials

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Imagine you're a chef with two types of containers: plastic containers and glass jars.

Lists: Lists in Python are like plastic containers. You can change the contents whenever you want.

Example:

```python
pythonCopy code
vegetables = ["carrot", "broccoli", "spinach"]
vegetables[0] = "tomato"  # Changeable
```

Tuples: Tuples in Python are like glass jars. Once sealed, you can't change the contents.

Example:

```python
pythonCopy code
fruits = ("apple", "banana", "orange")
# Not changeable!
```

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Creating:

List:

```
ingredients = ["flour", "sugar", "eggs"]
```

Tuple:

```
recipe = ("2 cups flour", "1 cup sugar", "2 eggs")
```

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Changing Items:

List: Yes, you can change items.

Tuple: No, you can't change items.

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Adding / Removing Items:

List: Yes, you can add / remove items.

Tuple: No, you can't add / remove items.

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When to Use:

Lists: When you need to change, add, or remove items.

Tuples: When you want to keep things the same.

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