

# Data Structures I : List, Tuple & Strings

Site: [TMT Bangladesh](http://tmt-bangladesh.com)  
Course: Introduction to Scientific Programming  
Book: Data Structures I : List, Tuple & Strings

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# 1. Introduction

Lists are the most versatile container is the list, which can be written as a sequence of comma-separated values (items) together set between square brackets [ ... ]. Lists are mutable, i.e the items inside a list can be changed.

```
>> fruits = ["orange", "watermelon", "lemon", "coconut"]
```

Tuples are like lists however they are not mutable. Once a tuple is defined it can never be changed.

```
>> fruits = ("orange", "watermelon", "lemon", "coconut")
```

A string is a series of characters enclosed by single or double-quotes. Just like tuples, strings are not mutable.

```
>> fruits = "oranges, watermelon, lemon, coconut"
```

## 2. Presentations & Exercises

### Recorded Lectures

- [List and Tuples](#)
- [Strings](#)

### Presentations

- Slides: [SL ISC 04 Lists Tuples](#)
- Slides: [SL ISC 04 Strings](#)

### Exercises

- [Lists and Tuples](#)
- [Strings](#)