Data Structures

Also known as objects, data structures are collections of values and functions.

Lists, dictionaries, tuples, and sets.

Unlike strings, these data structures can contain any kind of data.

The primary two we’ll focus on are lists and dictionaries.
Lists

[ ]

[1, 2.0, 'three']

A list is a mutable sequence of 0 or more values.

Enclosed in square brackets, items separated by a comma.

List elements can be added, removed, or modified.

A very common and useful data type.

Lists use indexing and slicing to access individual elements.
Lists

Methods

- `list.append()`
- `list.count(x)`
- `list.index(x)`
- `list.insert(i, x)`
- `list.remove(x)`
- `list.pop([i])`
- `list.clear()`
- `list.sort()`
- `list.reverse()`
Introduction to Computer Programming
CSCI-UA 2

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Lists