Introduction to Computer Programming
CSCI-UA 2

Data Structures
Lists
Data Structures

Also known as objects, data structures are collections of values and functions. Lists, dictionaries, tuples, and sets 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.

Very common and useful.

Use indexing and slicing to access individual elements.
Lists

Methods

- `my_list.append()`
- `my_list.count(x)`
- `my_list.index(x)`
- `my_list.insert(i, x)`
- `my_list.remove(x)`
- `my_list.sort()`