

# Lists

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| ☰ Chapter No. | 7         |
| ▼ Status      | Completed |

▼ A list is used to [join multiple objects together](#)

- The objects in a list can be of [different](#) data types

▼ Lists are represented by [comma-delimited values enclosed in square brackets](#)

- E.g. [1, "a", True]

▼ Common List Methods

▼ len(L)

- Returns the length of the list

▼ L.pop(i)

- Removes the item at the index i and returns it
- If no index is specified, the last item of the list is removed and returned

▼ L.append(x)

- Appends x to the end of the list

▼ L.sort( )

- Sorts the list in ascending order

▼ L.remove(x)

- Removes x from the list
- Returns an error if x is not in the list

▼ L.extend(lst)

- Adds items from list lst to the end of the list L

▼ L.clear( )

- Removes all items from the list

▼ L.copy( )

- Creates a copy of the list

▼ L.index(x)

- Returns the first index of the given value x in the list
- Returns an error if the given value x is not in the list

▼ L.insert(index, x)

- Inserts the given value x at the given index

▼ L.reverse( )

- Reverses the list