**Data Structures Python**

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| --- | --- | --- | --- |
| **List** | **Tuple** | **Set** | **Dictionary** |
| Mutable | Immutable | Mutable | Mutable |
| Ordered | Ordered | Unordered | Ordered |
| Duplicate allowed | Duplicate allowed | Duplicate not allowed | Duplicate keys not allowed |
| .append() (end of list) .insert() (at specific index) .extend() (multiple) | tuple = tuple1 + tuple2 | .add() (single) .update() (multiple)  .union(), .intersection() | Dictname[key] = value |
| list.pop() (last item)  list.pop(position)  list.remove(item\_name) |  | set.remove(item\_name)  set.discard(item\_name) (no error if item does not exist)  set.pop() (last item) | dict.pop(key)  Del dict[key] |
| list.index() | list.index() |  |  |
| list.count() | tuple.count() |  |  |
| list.sort() |  |  | dict.sorted() (Keys sorted) |
| del(list) |  | del set | del dict |
| list.clear() |  | set.clear() | dict.clear() |