

Cheat sheet: Tuples and lists

Tuple (immutable, ordered)

`()`, `(1,)`, `(1, 3.0, "Hello")`

List (mutable, ordered)

`[]`, `[1,]`, `[1, 3.0, "Hello"]`

Tuple/List operations

<code>seq[pos]</code>	access element
<code>seq[from:to:incr]</code>	access range
<code>item in seq</code>	seq contains item?
<code>seq1 + seq2</code>	concatenate
<code>seq * n</code>	repeat
<code>len(seq)</code>	length

Iterating over tuples/lists:

```
for item in seq:  
for ind, item in enumerate(seq):
```

List manipulation

<code>l[pos] = val</code>	Overwrite item
<code>l[i:j:k] = l2</code>	Overwrite range
<code>l.append()</code>	Append item
<code>l.extend()</code>	Extend with list
<code>l += [...]</code>	Extend with list
<code>l.sort()</code>	Sort
<code>del l[ind]</code>	Delete index
<code>del l[from:to:incr]</code>	Delete range

List comprehension

```
lst = [expr  
        for var in iterable  
        if condition]
```