# list.append(*x*)

Add an item to the end of the list. Equivalent to a[len(a):] = [x].

# list.extend(*iterable*)

Extend the list by appending all the items from the iterable. Equivalent to a[len(a):] = iterable.

# list.insert(*i*, *x*)

Insert an item at a given position. The first argument is the index of the element before which to insert, so a.insert(0, x) inserts at the front of the list, and a.insert(len(a), x) is equivalent to a.append(x).

>>> fruits = ['orange', 'apple', 'pear', 'banana', 'kiwi', 'apple', 'banana']

>>> fruits.count('apple')

2

>>> fruits.count('tangerine')

0

>>> fruits.index('banana')

3

>>> fruits.index('banana', 4) # Find next banana starting a position 4

6

>>> fruits.reverse()

>>> fruits

['banana', 'apple', 'kiwi', 'banana', 'pear', 'apple', 'orange']

>>> fruits.append('grape')

>>> fruits

['banana', 'apple', 'kiwi', 'banana', 'pear', 'apple', 'orange', 'grape']

>>> fruits.sort()

>>> fruits

['apple', 'apple', 'banana', 'banana', 'grape', 'kiwi', 'orange', 'pear']

>>> fruits.pop()

'pear'