

List

list.append()

```
numbers = [1, 2, 3, 4]
numbers.append(5)
print(numbers)

# output: [1, 2, 3, 4, 5]
```

list.insert()

```
animals = ["cat", "dog", "fish"]
animals.insert(1, "monkey")
print(animals)

# output: ["cat", "monkey", "dog", "fish"]

animals = ["cat", "dog", "fish"]
animals.insert(200, "monkey")
print(animals)

# output: ["cat", "dog", "fish", "monkey"]
```

list.extend()

```
things = ["John", 42, True]
other_things = [0.0, False]
things.append(other_things)
print(things)

# output: ["John", 42, True, [0.0, False]]

things = ["John", 42, True]
other_things = [0.0, False]
things.extend(other_things)
```



```
print(things)
```

```
# output: ["John", 42, True, 0.0, False]
```

list.remove()

```
booleans = [True, False, True, True, False]
```

```
booleans.remove(False) # Removes the first False value  
print(booleans)
```

```
# output: [True, True, True, False]
```

```
booleans.remove(False) # Removes the other False value  
print(booleans)
```

```
# output: [True, True, True]
```

```
booleans.remove(False) # ValueError! No more False values to remove
```

list.pop()

```
fruits = ["apple", "orange", "banana", "peach"]  
last_fruit = fruits.pop() # takes the last element  
print(last_fruit)
```

```
# output: "peach"
```

```
second_fruit = fruits.pop(1) # takes the second element ( = index 1)  
print(second_fruit)
```

```
# output: "orange"
```

```
print(fruits) # only fruits that have not been "popped"  
              # are still in the list
```

```
# output: ["apple", "banana"]
```

list.clear()


```
decimals = [0.1, 0.2, 0.3, 0.4, 0.5]
decimals.clear() # remove all values!
print(decimals)
```

```
# output: []
```

list.count()

```
grades = [7.8, 10.0, 7.9, 9.5, 10.0, 6.5, 9.8, 10.0]
n = grades.count(10.0)
print(n)
```

```
# output: 3
```

list.index()

```
friends = ["John", "James", "Jessica", "Jack"]
position = friends.index("Jessica")
print(position)
```

```
# output: 2
```

list.sort() and list.reverse()

```
values = [10, 4, -2, 1, 5]

values.reverse()
print(values) # list is reversed
```

```
# output: [5, 1, -2, 4, 10]
```

```
values.sort()
print(values) # list is sorted
```

```
# output: [-2, 1, 4, 5, 10]
```

```
values = [10, 4, -2, 1, 5]
```

```
values.sort(reverse=True)
```



```
print(values) # list is sorted in reverse order
```

```
# output: [10, 5, 4, 1, -2]
```

list.copy()

```
values_01 = [1, 2, 3, 4]
```

```
values_02 = values_01 # not an actual copy: same list object!
```

```
values_02.append(5) # we modify the "values_02" list...
```

```
print(values_01)    # ... but changes appear also in "values_01"
```

```
    # because they reference the same list!
```

```
# output: [1, 2, 3, 4, 5]
```

```
values_01 = [1, 2, 3, 4]
```

```
values_02 = values_01.copy() # create an independent copy!
```

```
values_02.append(5) # we modify the "values_02" list...
```

```
print(values_01)    # ... and changes DO NOT appear in "values_01"
```

```
    # because it is a copy!
```

```
# output: [1, 2, 3, 4]
```

Cheat Sheet



IMPORTANT METHODS IN PYTHON



SET

`add()`

`clear()`

`pop()`

`union()`

`issuperset()`

`issubset()`

`intersection()`

`difference()`

`isdisjoint()`

`setdiscard()`

`copy()`

LIST

`append()`

`copy()`

`count()`

`insert()`

`reverse()`

`remove()`

`sort()`

`pop()`

`extend()`

`index()`

`clear()`

DICTIONARY

`copy()`

`clear()`

`fromkeys()`

`items()`

`get()`

`keys()`

`pop()`

`values()`

`update()`

`isetdefault()`

`popitem()`

PYTHON LIST CHEATSHEET



.append()



.clear()



.copy()



.count()



2



.index()



1



.insert()



.pop(1)



.remove()



.reverse()

