**Python Cheat Sheet: List Me[thods](https://finxter.com/)**“​*A puzzle a day to learn, code, and play*​” → Visit ​[finxter.com](https://finxter.com/)

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| **Method** | **Description** | **Example** |
| **lst.append(x)** | Appends element ​x​ to the list ​lst​. | >>> l = []  >>> l.append(42)  >>> l.append(21)  [42, 21] |
| **lst.clear()** | Removes all elements from the list lst–which becomes empty. | >>> lst = [1, 2, 3, 4, 5]  >>> lst.clear()  [] |
| **lst.copy()** | Returns a copy of the list ​lst​. Copies only the list, not the elements in the list (shallow copy). | >>> lst = [1, 2, 3]  >>> lst.copy()  [1, 2, 3] |
| **lst.count(x)** | Counts the number of occurrences of element ​x​ in the list ​lst​. | >>> lst = [1, 2, 42, 2, 1, 42, 42] >>> lst.count(42)  3  >>> lst.count(2)  2 |
| **lst.extend(iter)** | Adds all elements of an iterable ​iter ​(e.g. another list) to the list ​lst​. | >>> lst = [1, 2, 3]  >>> lst.extend([4, 5, 6])  [1, 2, 3, 4, 5, 6] |
| **lst.index(x)** | Returns the position (index) of the first occurrence of value ​x​ in the list ​lst​. | >>> lst = ["Alice", 42, "Bob", 99] >>> lst.index("Alice")  0  >>> lst.index(99, 1, 3)  ValueError: 99 is not in list |
| **lst.insert(i, x)** | Inserts element ​x​ at position (index) ​i​ in the list ​lst​. | >>> lst = [1, 2, 3, 4]  >>> lst.insert(3, 99)  [1, 2, 3, 99, 4] |
| **lst.pop()** | Removes and returns the final element of the list ​lst​. | >>> lst = [1, 2, 3]  >>> lst.pop()  3  >>> lst  [1, 2] |
| **lst.remove(x)** | Removes and returns the first occurrence of element ​x​ in the list ​lst​. | >>> lst = [1, 2, 99, 4, 99]  >>> lst.remove(99)  >>> lst  [1, 2, 4, 99] |
| **lst.reverse()** | Reverses the order of elements in the list lst​. | >>> lst = [1, 2, 3, 4]  >>> lst.reverse()  >>> lst  [4, 3, 2, 1] |
| **lst.sort()** | Sorts the elements in the list ​lst​ in ascending order. | >>> lst = [88, 12, 42, 11, 2]  >>> lst.sort()  # [2, 11, 12, 42, 88]  >>> lst.sort(key=lambda x: str(x)[0]) # [11, 12, 2, 42, 88] |

