

list Methods

Methods

A method is a function inside an object. You can find out the methods in type list by typing `dir(list)`.

Modifying Lists

The table below contains methods that modify lists.

Method	Description	Example
<code>list.append(object)</code>	Append object to the end of list.	<pre>>>> colours = ['yellow', 'blue'] >>> colours.append('red') >>> print(colours) ['yellow', 'blue', 'red']</pre>
<code>list.extend(list)</code>	Append the items in the list parameter to the list.	<pre>>>> colours.extend(['pink', 'green']) >>> print(colours) ['yellow', 'blue', 'red', 'pink', 'green']</pre>
<code>list.pop([index])</code>	Remove the item at the end of the list; optional index to remove from anywhere.	<pre>>>> colours.pop() 'green' >>> print(colours) ['yellow', 'blue', 'red', 'pink'] >>> colours.pop(2) 'red' >>> print(colours) ['yellow', 'blue', 'pink']</pre>
<code>list.remove(object)</code>	Remove the first occurrence of the object; error if not there.	<pre>>>> colours.remove('green') Traceback (most recent call last): File "<pyshell#10>", line 1, in <module> colours.remove('green') ValueError: list.remove(x): x not in list >>> colours.remove('pink') >>> print(colours) ['yellow', 'blue']</pre>
<code>list.reverse()</code>	Reverse the list.	<pre>>>> grades = [95, 65, 75, 85] >>> grades.reverse() >>> print(grades) [85, 75, 65, 95]</pre>
<code>list.sort()</code>	Sort the list from smallest to largest.	<pre>>>> grades.sort() >>> print(grades) [65, 75, 85, 95]</pre>
<code>list.insert(int, object)</code>	Insert object at the given index, moving items to make room.	<pre>>>> grades.insert(2, 80) >>> print(grades) [65, 75, 80, 85, 95]</pre>

Getting Information from Lists

The table below contains methods that return information about lists.

Method	Description	Example
<code>list.count(object)</code>	Return the number of times object occurs in list.	<pre>>>> letters = ['a', 'a', 'b', 'c'] >>> letters.count('a') 2</pre>
<code>list.index(object)</code>	Return the index of the first occurrence of object; error if not there.	<pre>>>> letters.index('a') 0 >>> letters.index('d') Traceback (most recent call last): File "<pyshell#24>", line 1, in <module> letters.index('d') ValueError: 'd' is not in list</pre>



