

# Python One-Liners

## Write Concise, Eloquent Python Like a Professional

by Christian Mayer

Errata updated to print 2

Page	Error	Correction	Print corrected
7	<pre># 2. Insert l = [1, 2, 4] l.insert(2, 3) print(l) # [1, 2, 3, 4]</pre>	<pre># 2. Insert l = [1, 2, 4] l.insert(2, 2) print(l) # [1, 2, 2, 4]</pre>	Print 2
7	You can easily remove <b>an</b> element $x$ from a list by using the list method <code>remove(x)</code> :	You can easily remove <b>the first occurrence of</b> element $x$ from a list by using the list method <code>remove(x)</code> :	Print 2
8	<b>The method <code>index(x)</code> finds the first occurrence of the element <math>x</math> in the list and returns its index.</b>	<b>The list <code>index(x)</code> method returns the index of the element <math>x</math> in the list. You can use optional start and stop arguments to limit the index range to search.</b>	Print 2
35	Insertion	<b>You need to install the matplotlib library with <code>pip install matplotlib</code> in your terminal or shell to use this example in your own programs.</b>	Print 2
40	<pre>mark = [(True, s) if 'anonymous' in s else (False, s) for s in txt]</pre>	<pre>mark = [('anonymous' in s, s) for s in txt]</pre>	Print 2
65	Insertion	<b>Roughly speaking, the axis parameter controls which axis will be aggregated or collapsed when used in a NumPy operation such as <code>np.sort()</code>.</b>	Print 2
92	<pre>## One-liner model = LogisticRegression().fit(X[:,0].reshape(n,1), X[:,1])</pre>	<pre>## One-liner model = LogisticRegression().fit(X[:,0].reshape(-1,1), X[:,1])</pre>	Print 2
141	The regular expression expects a positive number of (lowercase) characters, numbers, underscores, hyphens, or dots ( <code>[a-z0-9_\.-]+</code> ). Note that you need to escape the hyphen ( <code>\-</code> ) because it normally indicates a range within the square brackets. <b>Similarly, you need to escape the dot (<code>\.</code>) because you actually want to match the dot and not an arbitrary character.</b>	The regular expression expects a positive number of (lowercase) characters, numbers, underscores, hyphens, or dots ( <code>[a-z0-9_\.-]+</code> ). Note that you need to escape the hyphen ( <code>\-</code> ) because it normally indicates a range within the square brackets. <b>Note that the dot (<code>.</code>) doesn't need to be escaped here, because within a character class <code>[]</code>, it doesn't match an arbitrary character but the actual point character <code>'.'</code>.</b>	Print 3

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168	A prime number $n$ is an integer that's not divisible without a remainder by any other integer, except for $i$ and $n$ .	A prime number $n$ is an integer that's not divisible without a remainder by any other integer, except for <b>1</b> and $n$ .	Print 2