

<code>['Hi!'] * 4</code>	<code>['Hi!', 'Hi!', 'Hi!', 'Hi!']</code>	Repetition
<code>3 in [1, 2, 3]</code>	True	Membership
<code>for x in [1, 2, 3]: print x,</code>	1 2 3	Iteration

Indexing, Slicing, and Matrixes

Because lists are sequences, indexing and slicing work the same way for lists as they do for strings.

Assume the following input:

```
L = ['spam', 'Spam', 'SPAM!']
```

Python Expression	Results	Description
<code>L[2]</code>	'SPAM!'	Offsets start at zero
<code>L[-2]</code>	'Spam'	Negative: count from the right
<code>L[1:]</code>	['Spam', 'SPAM!']	Slicing fetches sections

Built-in List Functions and Methods

Python includes the following list functions:

Sr. No.	Function with Description
1	<u><code>cmp(list1, list2)</code></u> Compares elements of both lists.
2	<u><code>len(list)</code></u> Gives the total length of the list.
3	<u><code>max(list)</code></u> Returns item from the list with max value.