

4.6.1. Common Sequence Operations

Operation	Result
<code>x in s</code>	True if an item of <i>s</i> is equal to <i>x</i> , else False
<code>x not in s</code>	False if an item of <i>s</i> is equal to <i>x</i> , else True
<code>s + t</code>	the concatenation of <i>s</i> and <i>t</i>
<code>s * n</code> or <code>n * s</code>	<i>n</i> shallow copies of <i>s</i> concatenated
<code>s[i]</code>	<i>i</i> th item of <i>s</i> , origin 0
<code>s[i:j]</code>	slice of <i>s</i> from <i>i</i> to <i>j</i>
<code>s[i:j:k]</code>	slice of <i>s</i> from <i>i</i> to <i>j</i> with step <i>k</i>
<code>len(s)</code>	length of <i>s</i>
<code>min(s)</code>	smallest item of <i>s</i>
<code>max(s)</code>	largest item of <i>s</i>
<code>s.index(x[, i[, j]])</code>	index of the first occurrence of <i>x</i> in <i>s</i> (at or after index <i>i</i> and before index <i>j</i>)
<code>s.count(x)</code>	total number of occurrences of <i>x</i> in <i>s</i>

4.6.3. Mutable Sequence Types

Operation	Result
<code>s[i] = x</code>	item <i>i</i> of <i>s</i> is replaced by <i>x</i>
<code>s[i:j] = t</code>	slice of <i>s</i> from <i>i</i> to <i>j</i> is replaced by the contents of the iterable <i>t</i>
<code>del s[i:j]</code>	same as <code>s[i:j] = []</code>
<code>s[i:j:k] = t</code>	the elements of <code>s[i:j:k]</code> are replaced by those of <i>t</i>
<code>del s[i:j:k]</code>	removes the elements of <code>s[i:j:k]</code> from the list
<code>s.append(x)</code>	appends <i>x</i> to the end of the sequence (same as <code>s[len(s):len(s)] = [x]</code>)
<code>s.clear()</code>	removes all items from <i>s</i> (same as <code>del s[:]</code>)
<code>s.copy()</code>	creates a shallow copy of <i>s</i> (same as <code>s[:]</code>)
<code>s.extend(t)</code>	extends <i>s</i> with the contents of <i>t</i> (same as <code>s[len(s):len(s)] = t</code>)
<code>s.insert(i, x)</code>	inserts <i>x</i> into <i>s</i> at the index given by <i>i</i> (same as <code>s[i:i] = [x]</code>)
<code>s.pop([i])</code>	retrieves the item at <i>i</i> and also removes it from <i>s</i>
<code>s.remove(x)</code>	remove the first item from <i>s</i> where <code>s[i] == x</code>
<code>s.reverse()</code>	reverses the items of <i>s</i> in place