

Cues:	Notes:
Method definition	1. A <i>method</i> is like a function inside of an object, and it is given implicit access to the object instance on which it is called, meaning that methods generally do not return a new object of the same type.
index() list method	2. List methods: <ol style="list-style-type: none"> <li>index(): Gives the list position (the index) of a given item if it is in the list; throws a <code>ValueError</code> otherwise. Example:               <pre>&gt;&gt;&gt; spam = ['hello', 'hi'] &gt;&gt;&gt; spam.index('hi') 1</pre> </li> </ol>
append() list method	<ol style="list-style-type: none"> <li>append(): Adds a value to the end of the list. Example (assume that the same variables are used throughout this document):               <pre>&gt;&gt;&gt; spam.append('howdy') &gt;&gt;&gt; spam ['hello', 'hi', 'howdy']</pre> </li> </ol>
insert() list method	<ol style="list-style-type: none"> <li>insert(): Inserts a value at a given position in the list. Example:               <pre>&gt;&gt;&gt; spam.insert(2, 'hey') &gt;&gt;&gt; spam ['hello', 'hi', 'hey', 'howdy']</pre> </li> </ol>
remove() list method	<ol style="list-style-type: none"> <li>remove(): If the given item exists in the list, this removes it; a <code>ValueError</code> is thrown otherwise. Example:               <pre>&gt;&gt;&gt; spam.remove('hi') &gt;&gt;&gt; spam ['hello', 'hey', 'howdy']</pre> </li> </ol>
sort() list method	<ol style="list-style-type: none"> <li>sort(): If all the items in the list can be reasonably compared, then this sorts the list values by ASCII / numerical order; otherwise a <code>TypeError</code> is thrown. Can also be passed a <code>reverse</code> argument to sort in reverse. Example:               <pre>&gt;&gt;&gt; spam.sort(reverse=True) &gt;&gt;&gt; spam ['howdy', 'hey', 'hello']</pre> </li> </ol>
Single quotes in strings	3. More on strings: <ol style="list-style-type: none"> <li>Strings can be encapsulated within single (') or double (") quote marks; however, a string can only <i>contain</i> single quote marks if the string is given in double quotes. Example:               <pre>&gt;&gt;&gt; cat_desc = "This is not Bob's cat."</pre> </li> </ol>
Escape sequences	<ol style="list-style-type: none"> <li>Unusual or otherwise impossible characters or codes can also be added to a string by using a <i>character escape</i>, which is a backslash (\) followed by the character. Example:               <pre>&gt;&gt;&gt; cat_desc = 'This is not Bob\'s cat.'</pre> </li> </ol>
'Raw' strings	<ol style="list-style-type: none"> <li>Strings can be created as <i>raw</i> (or literal) by placing an 'r' in front of the string, which makes Python treat any escape sequences as literal string characters. Example:               <pre>&gt;&gt;&gt; print(r'That\'s Bob\'s cat') That\'s Bob\'s cat</pre> </li> </ol>
Multi-line strings	<ol style="list-style-type: none"> <li>Multi-line strings can be created by using either triple quotes (""") or the newline escape character (\n). Example:</li> </ol>

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Strings as lists	<pre>&gt;&gt;&gt; print('''Dear Alice,\nI've found your cat. ... Sincerely, Bob''')</pre> <p>Dear Alice, I've found your cat. Sincerely, Bob</p>
String case	<p>e. Similar to lists, strings can also be indexed, sliced, and used with the 'in' and 'not in' keywords, with the same syntax.</p> <p>f. Strings can be converted to all lowercase with lower(), uppercase with upper(), and can have their 'case-ness' tested with islower() and isupper(). Example:</p> <pre>&gt;&gt;&gt; cat_desc.upper() 'THIS IS NOT BOB'S CAT.' &gt;&gt;&gt; cat_desc.islower() False</pre>
startswith(), endswith()	<p>g. The beginning and ending contents of strings can be tested with startswith() and endswith(), respectively. Example:</p> <pre>&gt;&gt;&gt; cat_desc.endswith('CAT.') True</pre>
join()	<p>h. Strings can be <i>joined</i> (concatenated) into a new string by calling join() on the desired separator value and passing in a list of target strings. Example:</p> <pre>&gt;&gt;&gt; '-'.join(['Totally', 'not', 'my', 'cat.']) 'Totally-not-my-cat.'</pre>
split()	<p>i. Strings can be <i>split</i> (the opposite of joined) into a list of component sub-strings by using the split() method. Example:</p> <pre>&gt;&gt;&gt; cat_desc.split(' ') ['This', 'is', 'not', "Bob's", 'cat.']</pre>
Summary/Reflection:	