<span class="hljs-comment">% This use of ' is for transpose:</span>

mat2x2 = [<span class="hljs-number">1</span> <span class="hljs-number">2</span>; <span class="hljs-number">3</span> <span class="hljs-number">4</span>]'; <span class="hljs-comment">% transpose of a matrix</span>

cell2x2 = {<span class="hljs-number">1</span> <span class="hljs-number">2</span>; <span class="hljs-number">3</span> <span class="hljs-number">4</span>}'; <span class="hljs-comment">% transpose of a cell</span>

v=mat2x2'; <span class="hljs-comment">% transpose of a variable</span>

v2 = (v')'; <span class="hljs-comment">% two transpose operations</span>

foo = <span class="hljs-number">1.</span>'; <span class="hljs-comment">% transpose of scalar 1.</span>

<span class="hljs-comment">% Nonconjugate transpose uses .'</span>

mat2x2 = [<span class="hljs-number">1</span> <span class="hljs-number">2</span>; <span class="hljs-number">3</span> <span class="hljs-number">4</span>].'; <span class="hljs-comment">% of a matrix</span>

cell2x2 = {<span class="hljs-number">1</span> <span class="hljs-number">2</span>; <span class="hljs-number">3</span> <span class="hljs-number">4</span>}.'; <span class="hljs-comment">% of a cell</span>

v=mat2x2.'; <span class="hljs-comment">% of a variable</span>

v2 = (v.').'; <span class="hljs-comment">% two operations</span>

foo = <span class="hljs-number">1.</span>.'; <span class="hljs-comment">% of scalar 1.</span>

bar = v.''.'.''; <span class="hljs-comment">% mix of transpose operations</span>

<span class="hljs-comment">% single quote strings:</span>

sq1 = <span class="hljs-string">'a single quote string'</span>;

sq2 = ...

<span class="hljs-string">' abcd '</span>; <span class="hljs-comment">% single quote string starting at column 1</span>

sq3 = [<span class="hljs-string">'a'</span>,<span class="hljs-string">'bc'</span>]; <span class="hljs-comment">% array of single quote strings</span>

sq4 = {<span class="hljs-string">'a'</span>,<span class="hljs-string">'bc'</span>}; <span class="hljs-comment">% cell of single quote strings</span>

<span class="hljs-comment">% double quote strings</span>

dq1 = <span class="hljs-string">"a double string"</span>;

dq2 = ...

<span class="hljs-string">" abcd "</span>; <span class="hljs-comment">% double quote string starting at column 1</span>

dq3 = [<span class="hljs-string">"a"</span>,<span class="hljs-string">"bc"</span>]; <span class="hljs-comment">% array of double quote strings</span>

<span class="hljs-comment">% Mixture of strings and transpose</span>

c2 = {<span class="hljs-string">'a'</span>,<span class="hljs-string">'bc'</span>}'; <span class="hljs-comment">% transpose of a cell of strings</span>

s = [<span class="hljs-string">'a'</span>,<span class="hljs-string">'bc'</span>]'; <span class="hljs-comment">% you can transpose vectors of strings (they are really 'char' arrays)</span>

s = s'; <span class="hljs-comment">% and transpose back</span>

<span class="hljs-comment">% (s')' is a double transpose of a string</span>

x = [(s')', <span class="hljs-string">' xyz '</span>, <span class="hljs-string">'a single quote in a string'', escape \', two quotes in a string'''''</span>];

s2 = <span class="hljs-string">"abc\"def""ghi"</span>; <span class="hljs-comment">% newer versions of MATLAB support double quoted strings</span>

s3 = ([<span class="hljs-string">"abc"</span>, <span class="hljs-string">"defg"</span>]')'; <span class="hljs-comment">% transpose a vectors of quoted string twice</span>

s4 = <span class="hljs-string">"abc"</span>!; <span class="hljs-comment">% transpose a quoted string</span>

b = <span class="hljs-built\_in">true</span>' + <span class="hljs-built\_in">false</span>'; <span class="hljs-comment">% boolean constants</span>