<span class="hljs-comment">/\* Maxima computer algebra system \*/</span>

<span class="hljs-built\_in">print</span> (<span class="hljs-string">"mumble"</span>);

<span class="hljs-comment">/\* this

<span class="hljs-comment">/\* this is

<span class="hljs-comment">/\* this is a nested comment \*/</span> nested comment

\*/</span> comment

\*/</span>

<span class="hljs-built\_in">sin</span>(<span class="hljs-literal">%pi</span>); <span class="hljs-comment">/\* should be highlighted again \*/</span>

<span class="hljs-comment">/\* programming keywords \*/</span>

<span class="hljs-keyword">if</span> a <span class="hljs-keyword">then</span> b <span class="hljs-keyword">elseif</span> c <span class="hljs-keyword">then</span> d <span class="hljs-keyword">else</span> f;

<span class="hljs-keyword">for</span> x:<span class="hljs-number">1</span> <span class="hljs-keyword">thru</span> <span class="hljs-number">10</span> <span class="hljs-keyword">step</span> <span class="hljs-number">2</span> <span class="hljs-keyword">do</span> <span class="hljs-built\_in">print</span>(x);

<span class="hljs-keyword">for</span> z:-<span class="hljs-number">2</span> <span class="hljs-keyword">while</span> z &lt; <span class="hljs-number">0</span> <span class="hljs-keyword">do</span> <span class="hljs-built\_in">print</span>(z);

<span class="hljs-keyword">for</span> m:<span class="hljs-number">0</span> <span class="hljs-keyword">unless</span> m &gt; <span class="hljs-number">10</span> <span class="hljs-keyword">do</span> <span class="hljs-built\_in">print</span>(m);

<span class="hljs-keyword">for</span> x <span class="hljs-keyword">in</span> [<span class="hljs-number">1</span>, <span class="hljs-number">2</span>, <span class="hljs-number">3</span>] <span class="hljs-keyword">do</span> <span class="hljs-built\_in">print</span>(x);

foo <span class="hljs-keyword">and</span> bar <span class="hljs-keyword">or</span> <span class="hljs-keyword">not</span> baz;

<span class="hljs-comment">/\* different kinds of integers \*/</span>

<span class="hljs-built\_in">ibase</span> : <span class="hljs-number">18</span> $

[<span class="hljs-number">0</span>, <span class="hljs-number">1234</span>, <span class="hljs-number">1234</span>., <span class="hljs-number">0abcdefgh</span>];

<span class="hljs-built\_in">reset</span> (<span class="hljs-built\_in">ibase</span>) $

<span class="hljs-comment">/\* strings \*/</span>

s1 : <span class="hljs-string">"\"now\" is"</span>;

s2 : <span class="hljs-string">"the 'time' for all good men"</span>;

<span class="hljs-built\_in">print</span> (s1, s2, <span class="hljs-string">"to come to the aid"</span>,

<span class="hljs-string">"of their country"</span>);

<span class="hljs-comment">/\* expressions \*/</span>

foo (x, y, z) :=

<span class="hljs-keyword">if</span> x &gt; <span class="hljs-number">1</span> + y

<span class="hljs-keyword">then</span> z - x\*y

<span class="hljs-keyword">elseif</span> y &lt;= <span class="hljs-number">100</span>!

<span class="hljs-keyword">then</span> x/(y + z)^<span class="hljs-number">2</span>

<span class="hljs-keyword">else</span> z - y . x . y;