<span class="hljs-comment">-- PL/pgSQL</span>

<span class="hljs-symbol">&lt;&lt; outerblock &gt;&gt;</span>

<span class="hljs-keyword">DECLARE</span>

quantity <span class="hljs-type">integer</span> := <span class="hljs-number">30</span>;

subtotal <span class="hljs-keyword">ALIAS</span> <span class="hljs-keyword">FOR</span> <span class="hljs-meta">$1</span>;

prior <span class="hljs-keyword">ALIAS</span> <span class="hljs-keyword">FOR</span> <span class="hljs-built\_in">old</span>;

arow <span class="hljs-type">record</span>;

curs1 <span class="hljs-type">refcursor</span>;

curs2 <span class="hljs-keyword">CURSOR</span> <span class="hljs-keyword">FOR</span> <span class="hljs-keyword">SELECT</span> \* <span class="hljs-keyword">FROM</span> tenk1;

<span class="hljs-keyword">BEGIN</span>

<span class="hljs-keyword">DECLARE</span>

quantity <span class="hljs-keyword">CONSTANT</span> <span class="hljs-type">integer</span> := <span class="hljs-number">80</span>;

myrow tablename<span class="hljs-meta">%ROWTYPE</span>;

myfield tablename.columnname<span class="hljs-meta">%TYPE</span>;

<span class="hljs-keyword">BEGIN</span>

<span class="hljs-keyword">PERFORM</span> pg\_sleep(<span class="hljs-number">1</span>);

<span class="hljs-keyword">RAISE</span> <span class="hljs-keyword">NOTICE</span> <span class="hljs-string">'Quantity here is %'</span>, quantity;

<span class="hljs-keyword">END</span>;

<span class="hljs-keyword">SELECT</span> \* <span class="hljs-keyword">INTO</span> myrec <span class="hljs-keyword">FROM</span> emp <span class="hljs-keyword">WHERE</span> empname = myname;

<span class="hljs-keyword">IF</span> <span class="hljs-keyword">NOT</span> <span class="hljs-built\_in">FOUND</span> <span class="hljs-keyword">THEN</span>

<span class="hljs-keyword">EXIT</span> <span class="hljs-symbol">&lt;&lt;outer\_block&gt;&gt;</span>;

<span class="hljs-keyword">ELSIF</span> quantity &lt; <span class="hljs-number">0</span> <span class="hljs-keyword">THEN</span>

<span class="hljs-keyword">ASSERT</span> a &gt; b, <span class="hljs-string">'Bad luck'</span>;

<span class="hljs-keyword">END</span> <span class="hljs-keyword">IF</span>;

<span class="hljs-keyword">FOR</span> r <span class="hljs-keyword">IN</span> <span class="hljs-keyword">SELECT</span> \* <span class="hljs-keyword">FROM</span> foo <span class="hljs-keyword">LOOP</span>

<span class="hljs-keyword">CONTINUE</span> <span class="hljs-keyword">WHEN</span> count &lt; <span class="hljs-number">50</span>;

<span class="hljs-keyword">END</span> <span class="hljs-keyword">LOOP</span>;

<span class="hljs-keyword">FOR</span> i <span class="hljs-keyword">IN</span> <span class="hljs-keyword">REVERSE</span> <span class="hljs-number">10.</span><span class="hljs-number">.1</span> <span class="hljs-keyword">LOOP</span>

<span class="hljs-keyword">FOREACH</span> x <span class="hljs-keyword">IN</span> <span class="hljs-keyword">ARRAY</span> <span class="hljs-meta">$1</span>

<span class="hljs-keyword">LOOP</span>

s := s + x;

<span class="hljs-keyword">END</span> <span class="hljs-keyword">LOOP</span>;

<span class="hljs-keyword">END</span> <span class="hljs-keyword">LOOP</span>;

<span class="hljs-keyword">WHILE</span> <span class="hljs-keyword">NOT</span> done <span class="hljs-keyword">LOOP</span>

<span class="hljs-keyword">CASE</span> x

<span class="hljs-keyword">WHEN</span> <span class="hljs-number">1</span>, <span class="hljs-number">2</span> <span class="hljs-keyword">THEN</span> <span class="hljs-keyword">RETURN NEXT</span> r;

<span class="hljs-keyword">ELSE</span> <span class="hljs-keyword">RETURN QUERY</span> <span class="hljs-keyword">SELECT</span> \* <span class="hljs-keyword">FROM</span> sales;

<span class="hljs-keyword">END</span> <span class="hljs-keyword">CASE</span>;

<span class="hljs-keyword">END</span> <span class="hljs-keyword">LOOP</span>;

<span class="hljs-keyword">EXECUTE</span> <span class="hljs-string">'SELECT count(\*) FROM mytable WHERE inserted\_by = $1'</span> <span class="hljs-keyword">INTO</span> c <span class="hljs-keyword">USING</span> checked\_user;

<span class="hljs-keyword">OPEN</span> curs1 <span class="hljs-keyword">SCROLL FOR</span> <span class="hljs-keyword">SELECT</span> \* <span class="hljs-keyword">FROM</span> foo <span class="hljs-keyword">WHERE</span> key = mykey;

<span class="hljs-keyword">FETCH LAST</span> <span class="hljs-keyword">FROM</span> curs1 <span class="hljs-keyword">INTO</span> x, y;

<span class="hljs-keyword">MOVE RELATIVE</span> <span class="hljs-number">-2</span> <span class="hljs-keyword">FROM</span> curs1;

<span class="hljs-keyword">UPDATE</span> foo <span class="hljs-keyword">SET</span> dataval = myval <span class="hljs-keyword">WHERE</span> <span class="hljs-keyword">CURRENT</span> <span class="hljs-keyword">OF</span> curs1;

<span class="hljs-keyword">CLOSE</span> curs1;

<span class="hljs-keyword">RETURN</span> quantity;

<span class="hljs-keyword">EXCEPTION</span>

<span class="hljs-keyword">WHEN</span> <span class="hljs-built\_in">NO\_DATA\_FOUND</span> <span class="hljs-keyword">THEN</span>

<span class="hljs-keyword">GET</span> <span class="hljs-keyword">DIAGNOSTICS</span> integer\_var = <span class="hljs-built\_in">ROW\_COUNT</span>;

<span class="hljs-keyword">WHEN</span> <span class="hljs-built\_in">SQLSTATE</span> <span class="hljs-string">'22012'</span> <span class="hljs-keyword">THEN</span>

<span class="hljs-keyword">NULL</span>;

<span class="hljs-keyword">END</span>;