CREATE TABLE temp\_clob\_tab (result CLOB);

DECLARE

qryCtx ***DBMS\_XMLGEN.ctxHandle***;

result CLOB;

BEGIN

qryCtx := ***DBMS\_XMLGEN.newContext***(

'SELECT \* FROM hr.employees WHERE employee\_id = 101');

*-- Set the row header to be EMPLOYEE*

***DBMS\_XMLGEN.setRowTag***(qryCtx, 'EMPLOYEE');

*-- Get the result*

result := ***DBMS\_XMLGEN.getXML***(qryCtx);

INSERT INTO temp\_clob\_tab VALUES(result);

*--Close context*

***DBMS\_XMLGEN.closeContext***(qryCtx);

END;

/

CREATE TABLE temp\_clob\_tab(result CLOB);

DECLARE

qryCtx ***DBMS\_XMLGEN.ctxHandle***;

result CLOB;

BEGIN

qryCtx := ***dbms\_xmlgen.newContext***('SELECT \* from employees');

*-- set the row header to be EMPLOYEE*

***DBMS\_XMLGEN.setRowTag***(qryCtx, 'EMPLOYEE');

*-- now get the result*

result := ***DBMS\_XMLGEN.getXML***(qryCtx);

INSERT INTO temp\_clob\_tab VALUES(result);

*--close context*

***DBMS\_XMLGEN.closeContext***(qryCtx);

END;

/

Example 10-17 ***DBMS\_XMLGEN***: Generating Simple XML with Pagination

Instead of generating all the XML for all rows, you can use the fetch interface that ***DBMS\_XMLGEN*** provides to retrieve a fixed number of rows each time. This speeds up response time and also can help in scaling applications that need a DOM API on the resulting XML, particularly if the number of rows is large.

The following example illustrates how to use ***DBMS\_XMLGEN*** to retrieve results from table scott.emp:

*-- create a table to hold the results..!*

CREATE TABLE temp\_clob\_tab ( result clob);

declare

qryCtx ***dbms\_xmlgen.ctxHandle***;

result CLOB;

begin

*-- get the query context;*

qryCtx := ***dbms\_xmlgen.newContext***('select \* from scott.emp');

*-- set the maximum number of rows to be 5,*

***dbms\_xmlgen.setMaxRows***(qryCtx, 5);

loop

*-- now get the result*

result := ***dbms\_xmlgen.getXML***(qryCtx);

*-- if there were no rows processed, then quit..!*

exit when ***dbms\_xmlgen.getNumRowsProcessed***(qryCtx) = 0;

*-- do some processing with the lob data..!*

*-- Here, we are inserting the results*

*-- into a table. You can print the lob out, output it to a stream,*

*-- put it in a queure*

*-- or do any other processing.*

insert into temp\_clob\_tab values(result);

end loop;

*--close context*

***dbms\_xmlgen.closeContext***(qryCtx);

end;

/

Here, for each set of 5 rows, you generate an XML document.