

XML_Queries-Lewis Cunningham.sql

```
set linesize 9999
set pagesize 9999
set long 9999
set linesize 72
```

```
select * from emp;
```

```
select '<ROWSET><ROW><EMPNO>' || empno || '</EMPNO></ROW></ROWSET>'
from dual;
```

```
select dbms_xmlgen.getxml('select * from emp') from dual;
```

```
select xmlForest(empno, ename, job, mgr, hiredate, sal, comm, deptno)
from emp;
```

```
select xmlElement("ROW",
    xmlForest(empno, ename, job, mgr, hiredate, sal, comm, deptno))
from emp;
```

```
select xmlAgg(
    xmlElement("ROW",
        xmlForest(empno, ename, job, mgr, hiredate, sal, comm, deptno)))
from emp;
```

```
select xmlElement("ROWSET",
    xmlAgg(
        xmlElement("ROW",
            xmlForest(empno, ename, job, mgr, hiredate, sal, comm, deptno))))
from emp;
```

```
select xmlQuery('
    for $i in ora:view("emp")
    return $i' RETURNING content)
from dual;
```

```
select xmlQuery(' for $i in 1
    return <rowset /> '
    RETURNING content)
from dual;
```

```
select xmlQuery(' for $i in 1
    return <rowset> </rowset>'
    RETURNING content)
from dual;
```

```
select xmlQuery(' for $i in ora:view("emp")
    return <ROWSET> {$i} </ROWSET>'
    RETURNING content)
from dual;
```

```
select * from emp join dept on emp.deptno = dept.deptno ;
```

```
select dbms_xmlgen.getxml('select * from emp join dept on emp.deptno = dept.deptno')
from dual;
```

```
select xmlElement("ROWSET",
    xmlAgg(
        xmlElement("ROW",
            xmlForest(empno, ename, job, mgr, hiredate,
                sal, comm, emp.deptno, dept.deptno,
                Page 1
```

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dname, loc))))

```
from emp
join dept
on emp.deptno = dept.deptno ;
```

```
select xmlQuery('
  for $i in ora:view("emp"),
     $j in ora:view("dept")
  let $emp_dept := $i/ROW/DEPTNO,
      $dept_dept := $j/ROW/DEPTNO
  where $emp_dept = $dept_dept
  return <ROWSET> {$i, $j} </ROWSET>'
RETURNING content)
from dual ;
```

```
select xmlQuery('
  for $i in ora:view("emp"),
     $j in ora:view("dept")
  let $emp_dept := $i/ROW/DEPTNO,
      $dept_dept := $j/ROW/DEPTNO
  where $emp_dept = $dept_dept
  return <ROWSET> <ROW> {$i/ROW/EMPNO, $j/ROW/DEPTNO}
  </ROW> </ROWSET>'
RETURNING content)
from dual ;
```

```
select xmlQuery('
  for $i in ora:view("emp"),
     $j in ora:view("dept")
  let $emp_dept := $i/ROW/DEPTNO,
      $dept_dept := $j/ROW/DEPTNO
  where $emp_dept = $dept_dept
  return <ROWSET> <ROW> {
    $i/ROW/EMPNO,
    $i/ROW/ENAME,
    $i/ROW/JOB,
    $i/ROW/HIREDATE,
    $i/ROW/SAL,
    $i/ROW/COMM,
    $i/ROW/DEPTNO,
    $j/ROW/DEPTNO,
    $j/ROW/DNAME,
    $j/ROW/LOC
  }
  </ROW> </ROWSET>'
RETURNING content)
from dual ;
```

-- Short hand XPATH expression

```
select xmlQuery('
  for $i in ora:view("emp"),
     $j in ora:view("dept")
  let $emp_dept := $i/ROW/DEPTNO,
      $dept_dept := $j/ROW/DEPTNO
  where $emp_dept = $dept_dept
  return <ROWSET> <ROW> {$i/ROW/*, $j/ROW/*}
  </ROW> </ROWSET>'
RETURNING content)
from dual ;
```

```

SELECT * FROM XMLTable(
,
  for $i in ora:view("emp"),
    $j in ora:view("dept")
  let $emp_dept := $i/ROW/DEPTNO,
    $dept_dept := $j/ROW/DEPTNO
  where $emp_dept = $dept_dept
  return <ROWSET> <ROW> {
    $i/ROW/EMPNO,
    $i/ROW/ENAME,
    $i/ROW/JOB,
    $i/ROW/HIREDATE,
    $i/ROW/SAL,
    $i/ROW/COMM,
    $i/ROW/DEPTNO,
    $j/ROW/DEPTNO,
    $j/ROW/DNAME,
    $j/ROW/LOC
  }
  </ROW> </ROWSET>' );

SELECT ExtractValue(COLUMN_VALUE, '/ROWSET/ROW/ENAME' )
FROM XMLTable(
,
  for $i in ora:view("emp"),
    $j in ora:view("dept")
  let $emp_dept := $i/ROW/DEPTNO,
    $dept_dept := $j/ROW/DEPTNO
  where $emp_dept = $dept_dept
  return <ROWSET> <ROW> {
    $i/ROW/EMPNO,
    $i/ROW/ENAME,
    $i/ROW/JOB,
    $i/ROW/HIREDATE,
    $i/ROW/SAL,
    $i/ROW/COMM,
    $i/ROW/DEPTNO,
    $j/ROW/DEPTNO,
    $j/ROW/DNAME,
    $j/ROW/LOC
  }
  </ROW> </ROWSET>' );

```