Search

Performing SELECT Statements that Use Two Tables: Introduction « Table Joins « Oracle PL/SQL Tutorial

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7.1.4.Performing SELECT Statements that Use Two Tables

To join two tables means that you specify both the tables in the guery's FROM clause.

And Use related columns from each table.

The related columns could be a foreign key from one table and the primary key from another table.

You use an operator, such as the equality operator (=), in the query's WHERE clause.

```
SOL> -- create demo table
SQL> create table Employee(
       EMPNO
                      NUMBER (3)
       ENAME
                      VARCHAR2(15 BYTE).
       HIREDATE
                      DATE,
       ORIG_SALARY
                      NUMBER(6),
       CURR SALARY
                     NUMBER (6)
                      VARCHAR2(1 BYTE)
       REGION
  8
  9
Table created.
SOL>
SOL> create table job (
       EMPNO
                     NUMBER(3),
       jobtitle
                      VARCHAR2(20 BYTE)
Table created.
SQL> insert into job (EMPNO, Jobtitle) values (1, 'Tester');
1 row created.
SQL> insert into job (EMPNO, Jobtitle) values (2, 'Accountant');
1 row created
SQL> insert into job (EMPNO, Jobtitle) values (3, 'Developer');
1 row created.
SQL> insert into job (EMPNO, Jobtitle) values (4,'COder');
1 row created.
SQL> insert into job (EMPNO, Jobtitle) values (5, 'Director');
1 row created.
SQL> insert into job (EMPNO, Jobtitle) values (6, 'Mediator');
1 row created.
SQL> insert into job (EMPNO, Jobtitle) values (7, 'Proffessor');
1 row created.
SQL> insert into job (EMPNO, Jobtitle) values (8, 'Programmer');
1 row created.
SQL> insert into job (EMPNO, Jobtitle) values (9, 'Developer');
1 row created
SQL>
SOL>
SOL>

    prepare data

SQL> insert into Employee(EMPNO,
                                   EName,
                                            HIREDATE,
                                                                              ORIG SALARY,
                                                                                                  CURR_SALARY,
                                                                                                                REGION)
                                    'Jason', to_date('19960725','YYYYMMDD'), 1234,
                                                                                                                 'E')
  3
1 row created.
                                             HIREDATE.
                                                                                                  CURR SALARY.
SQL> insert into Employee(EMPNO,
                                   EName.
                                                                              ORIG SALARY.
                                                                                                                REGION)
                                            to_date('19970715','YYYYMMDD'), 2341,
                   values (2,
                                    'John',
                                                                                                  3456,
                                                                                                                 'W')
  3
1 row created.
SQL> insert into Employee(EMPNO,
                                                                                                  CURR SALARY,
                                                                                                                REGION)
                                             to_date('19860125','YYYYMMDD'), 4321,
                                                                                                  5654,
                                                                                                                 'E')
  3
```

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```
1 row created.
SQL> insert into Employee(EMPNO, EName, HIREDATE,
                                                                                   ORIG_SALARY,
                                                                                                       CURR_SALARY, REGION)
                                               to_date('20060913','YYYYMMDD'), 2413,
 2 /
                   values (4, 'Tom',
                                                                                                        6787,
                                                                                                                        'W')
1 row created.
SQL> insert into Employee(EMPNO, EName, HIREDATE, ORIG_: values (5, 'Jane', to_date('20050417','YYYYYMMDD'), 7654,
                                                                                  ORIG_SALARY,
                                                                                                       CURR_SALARY, REGION)
  2 /
                                                                                                        4345,
1 row created.
SQL> insert into Employee(EMPNO, EName, HIREDATE, ORIG_: values (6, 'James', to_date('20040718','YYYYMMDD'), 5679,
                                                                                  ORIG SALARY,
                                                                                                       CURR_SALARY, REGION)
  2 /
                                                                                                        6546,
                                                                                                                        'W')
1 row created.
SQL> insert into Employee(EMPNO, EName, HIREDATE, ORIG_: values (7, 'Jodd', to_date('20030720','YYYYYMMDD'), 5438,
                                                                                                        CURR_SALARY, REGION)
                                                                                   ORIG_SALARY,
  2 /
1 row created.
SQL> insert into Employee(EMPNO, EName, HIREDATE, ORIG_: values (8, 'Joke', to_date('20020101','YYYYMMDD'), 8765,
                                                                                  ORIG SALARY,
                                                                                                       CURR_SALARY, REGION)
                                                                                                        4543,
                                                                                                                        'W')
1 row created.
SQL> insert into Employee(EMPNO, EName, HIREDATE, ORIG_: values (9, 'Jack', to_date('20010829','YYYYYMMDD'), 7896,
                                                                                  ORIG_SALARY,
                                                                                                       CURR_SALARY, REGION)
                                                                                                        1232,
  2 /
                                                                                                                       'E')
1 row created.
SOL>
SQL>
SQL>
SQL> -- display data in the table SQL> select * from Employee
                            HIREDATE ORIG_SALARY CURR_SALARY R
     EMPNO ENAME
                    25-JUL-96
         1 Jason
         2 John
                             15-JUL-97
                                                2341
                                                              3456 W
                             25-JAN-86
         3 Joe
                                                4321
                                                             5654 E
                             13-SEP-06
                                                2413
                                                             6787 W
         4 Tom
                                                      .5/ W
4345 E
6546 W
7658 E
4542
                              17-APR-05
         6 James
                             18-JUL-04
                                                5679
          7 Jodd
                             20-JUL-03
                                                5438
                             01-JAN-02
         9 Jack
                             29-AUG-01
                                                7896
9 rows selected.
SQL> select * from job
     EMPNO JOBTITLE
         1 Tester
          2 Accountant
          3 Developer
          4 COder
          5 Director
          6 Mediator
         7 Proffessor
         8 Programmer
         9 Developer
9 rows selected.
SQL>
SOL>
SQL> SELECT employee.ename, job.jobtitle
  2 FROM employee, job
  3 WHERE employee.empno = job.empno;
ENAME
                 JOBTITLE
Jason
                 Tester
John
                 Accountant
Joe
                 Developer
                 COder
Tom
                 Director
James
                 Mediator
                 Proffessor
Jodd
                 Programmer
Jack
                 Developer
9 rows selected.
SQL>
```

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```
SQL> -- clean the table
SQL> drop table Employee
2 /
Table dropped.

SQL> drop table job
2 /
Table dropped.

SQL>
```

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7.1.Introduction

Miro and more

- 7.1.1. Performing SELECT Statements that Use More than Two Tables
- 7.1.2. Three different types of joins:
- 7.1.3. Understanding Non-equijoins
- 7.1.4. Performing SELECT Statements that Use Two Tables

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- 7.1.5. Example simple join.
- 7.1.6. Use table alias in table join
- 7.1.7. Convert subqueries to JOINs
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