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An Example of a Right Outer Join 1: Outer Joins Left Right « Table Joins « Oracle PL/SQL Tutorial



7.4.5. An Example of a Right Outer Join 1

```
SQL>
SQL>
SOL> -- create demo table
SQL> create table Employee(
                     NUMBER(3),
       ENAME
                     VARCHAR2(15 BYTE),
       HIREDATE
                     DATE.
       ORIG_SALARY
                     NUMBER(6),
       CURR_SALARY
                     NUMBER(6),
       REGION
                     VARCHAR2(1 BYTE)
  8
Table created.
SQL> create table job (
       EMPNO
                     NUMBER (3).
       jobtitle
                     VARCHAR2(20 BYTE)
Table created.
SOL>
SQL> insert into job (EMPNO, Jobtitle) values (1, 'Tester');
1 row created.
SOL> insert into job (EMPNO, Jobtitle) values (2, 'Accountant');
SOL> insert into job (EMPNO, Jobtitle) values (3, 'Developer');
1 row created.
SOL> insert into job (EMPNO, Jobtitle) values (4, 'COder');
SOL>
SQL> insert into job (EMPNO, Jobtitle) values (9, 'Developer');
1 row created
SQL>
SQL>
SQL> -- prepare data
SQL> insert into Employee(EMPNO, EName,
                                            HIREDATE,
                                                                             ORIG_SALARY,
                                                                                                 CURR_SALARY,
                                                                                                               REGION)
                                   'Jason', to_date('19960725','YYYYMMDD'), 1234,
                  values (1,
  3
1 row created.
SQL> insert into Employee(EMPNO,
                                   EName,
                                            HIREDATE.
                                                                             ORIG SALARY.
                                                                                                 CURR SALARY.
                                                                                                               REGION)
                                            to_date('19970715','YYYYYMMDD'), 2341,
                  values (2,
                                   'John',
                                                                                                 3456.
                                                                                                                'W')
1 row created.
                                            HIREDATE,
                                                                             ORIG_SALARY,
                                                                                                 CURR_SALARY,
SQL> insert into Employee(EMPNO,
                                   EName,
                                                                                                               REGION)
                                            to_date('19860125','YYYYMMDD'),
                                   'Joe',
                                                                                                 5654,
                                                                                                                'E')
  3 /
1 row created.
                                            HIREDATE.
                                                                             ORIG_SALARY,
SQL> insert into Employee(EMPNO,
                                                                                                 CURR SALARY,
                                                                                                               REGION)
                                   EName.
                                            to_date('20060913','YYYYMMDD'), 2413,
                                                                                                 6787,
                   values (4,
                                    'Tom',
                                                                                                                'W')
  3 /
1 row created.
SQL> insert into Employee(EMPNO,
                                                                             ORIG_SALARY,
                                                                                                 CURR_SALARY,
                                                                                                               REGION)
                                   EName,
                                            HIREDATE,
  2 /
                                            to_date('20050417','YYYYMMDD'), 7654,
                                                                                                 4345,
                                                                                                                'E')
1 row created.
SQL> insert into Employee(EMPNO, EName,
                                            HIREDATE.
                                                                             ORIG SALARY.
                                                                                                 CURR_SALARY,
                                                                                                               REGION)
                                   'James', to_date('20040718','YYYYMMDD'), 5679,
                  values (6,
                                                                                                                'W')
  3
```

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```
1 row created.
SQL> insert into Employee(EMPNO, EName, HIREDATE, ORIG_: values (7, 'Jodd', to_date('20030720','YYYYYMMDD'), 5438,
                                                                               ORIG_SALARY,
                                                                                                   CURR_SALARY, REGION)
 2 /
                                                                                                   7658,
                                                                                                                  'E')
1 row created.
SQL> insert into Employee(EMPNO, EName, HIREDATE, ORIG_S values (8, 'Joke', to_date('20020101','YYYYMMDD'), 8765,
                                                                               ORIG_SALARY,
                                                                                                   CURR_SALARY, REGION)
                                                                                                   4543,
  3 /
1 row created.
SQL> insert into Employee(EMPNO, EName, HIREDATE, ORIG_: values (9, 'Jack', to_date('20010829','YYYYMMDD'), 7896,
                                                                               ORIG SALARY,
                                                                                                   CURR_SALARY, REGION)
                                                                                                   1232,
                                                                                                                  'E')
  3 /
1 row created.
SQL>
SOL>
SQL> -- display data in the table
SQL> select * from Employee
     EMPNO ENAME
                           HIREDATE ORIG_SALARY CURR_SALARY R
         1 Jason
                            25-JUL-96
                                              1234
                            15-JUL-97
                                                           3456 W
         2 John
                                              2341
                            25-JAN-86
                                              4321
         3 Joe
         4 Tom
                            13-SEP-06
                                              2413
                                                           6787 W
                            17-APR-05
         5 Jane
                                              7654
                                                           4345 E
                            18-JUL-04
                                              5679
                                                          6546 W
         6 James
         7 Jodd
                            20-JUL-03
                                              5438
         8 Joke
                            01-JAN-02
                                              8765
                                                          4543 W
                            29-AUG-01
         9 Jack
                                              7896
                                                          1232 E
9 rows selected.
SQL> select * from job
     EMPNO JOBTITLE
        1 Tester
         2 Accountant
         3 Developer
         4 COder
         9 Developer
SOL>
SQL> SELECT e.ename, j.jobtitle FROM employee e, job j WHERE e.empno (+) = j.empno ;
ENAME
                JOBTITLE
Jason
                 Tester
John
                Accountant
                Developer
Joe
Jack
                Developer
SQL>
SOL> -- clean the table
SQL> drop table Employee
Table dropped.
SQL> drop table job
Table dropped.
```

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7.4. Outer Joins Left Right

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