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Limitations on Outer Joins: Outer Joins Limitations « Table Joins « Oracle PL/SQL Tutorial Home Oracle PL/SQL Tutorial » Table Joins » Outer Joins Limitations Oracle PL/SQL Tutorial 1. Introduction Click here to download movies! 2. Query Select 3. Set 4. Insert Update 7.5.1.Limitations on Outer Joins Delete 5. Sequences 6. Table You may only place the outer join operator on one side of the join (not both). 7. **Table Joins** 8. View SOL> 9. Index SOL> 10. SQL Data Types SQL> 11. Character String SQL> -- create demo table SQL> create table Employee(**Functions** EMPNO NUMBER (3) 12. Aggregate VARCHAR2(15 BYTE), Functions HIREDATE DATE, 13. Date Timestamp ORIG_SALARY NUMBER (6), **Functions** CURR_SALARY NUMBER (6), REGION 14. Numerical Math 8 Functions 9 15. Conversion Table created. 16. Analytical Functions SOL> 17. Miscellaneous SQL> create table job (**Functions** EMPNO NUMBER (3) 18. Regular jobtitle VARCHAR2(20 BYTE) Expressions 19. Statistical Table created. Functions 20. Linear Regression SQL> insert into job (EMPNO, Jobtitle) values (1, 'Tester'); 21. PL SQL Data Types 1 row created. 22. PL SQL Statements SOL> insert into job (EMPNO, Jobtitle) values (2, 'Accountant'); 23. PL SQL Operators 1 row created. 24. PL SQL Programming SQL> insert into job (EMPNO, Jobtitle) values (3, 'Developer'); 25. Cursor 1 row created. 26. Collections 27. Function Procedure SQL> insert into job (EMPNO, Jobtitle) values (4, 'COder'); Packages 28. Trigger 1 row created. 29 SQL PLUS SQL> insert into job (EMPNO, Jobtitle) values (5, 'Director'); Session Environment 1 row created. 30. System Tables Data Dictionary SQL> insert into job (EMPNO, Jobtitle) values (6,'Mediator'); 31. System Packages 32. Object Oriented 33. XML SQL> insert into job (EMPNO, Jobtitle) values (7, 'Proffessor'); 34. Large Objects 1 row created. 35. Transaction 36. User Privilege

```
Download >
SOL> insert into job (EMPNO, Jobtitle) values (8, 'Programmer');
SOL> insert into job (EMPNO, Jobtitle) values (9, 'Developer');
SOL>
SQL>
    -- prepare data
SQL> insert into Employee(EMPNO, EName,
                                          HIREDATE.
                                                                          ORIG SALARY.
                                                                                             CURR_SALARY, REGION)
                                 'Jason', to_date('19960725','YYYYMMDD'), 1234,
                 values (1,
                                                                                             8767.
                                                                                                            'E')
1 row created.
SQL> insert into Employee(EMPNO, EName,
                                          HIREDATE,
                                                                          ORIG SALARY.
                                                                                             CURR_SALARY,
                                                                                                           REGION)
                                 'John', to_date('19970715','YYYYMMDD'), 2341,
 3 /
1 row created.
SQL> insert into Employee(EMPNO, EName,
                                          HIREDATE.
                                                                          ORTG SALARY.
                                                                                             CURR SALARY.
                                                                                                           REGION)
                 values (3,
                                 'Joe',
                                          to_date('19860125','YYYYYMMDD'), 4321,
                                                                                             5654.
                                                                                                            'E')
1 row created.
```

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```
SQL> insert into Employee(EMPNO, EName, HIREDATE,
                                                                               ORIG_SALARY, CURR_SALARY, REGION)
                  values (4, 'Tom', to_date('20060913','YYYYYMMDD'), 2413,
                                                                                                   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)
                                                                                                    4345,
                                                                                                                   'E')
  3 /
1 row created.
SQL> insert into Employee(EMPNO, EName, HIREDATE, ORIG_S values (6, 'James', to_date('20040718','YYYYMMDD'), 5679,
                                                                                ORIG_SALARY,
                                                                                                    CURR_SALARY, REGION)
                  values (6,
                                                                                                    6546,
  3 /
1 row created.
SQL> insert into Employee(EMPNO, EName, HIREDATE, ORIG_S values (7, 'Jodd', to_date('20030720','YYYYYMMDD'), 5438,
                                                                                ORIG_SALARY,
                                                                                                    CURR_SALARY, REGION)
                   values (7,
                                                                                                    7658,
 2 /
                                                                                                                   'E')
1 row created.
SQL> insert into Employee(EMPNO, EName, HIREDATE, ORIG_S values (8, 'Joke', to_date('20020101','YYYYMMDD'), 8765,
                                                                                                    CURR_SALARY, REGION)
                                                                                                    4543,
 3 /
1 row created.
SQL> insert into Employee(EMPNO, EName, HIREDATE, ORIG_S values (9, 'Jack', to_date('20010829','YYYYMMDD'), 7896,
                                                                                                   CURR_SALARY, REGION)
                                                                               ORIG SALARY,
                                                                                                    1232,
1 row created.
SQL>
SOL>
SQL> -- display data in the table
SQL> select * from Employee
     EMPNO ENAME
                           HIREDATE ORIG_SALARY CURR_SALARY R
                            25-JUL-96
         1 Jason
                                              1234
         2 John
                            15-JUL-97
                                              2341
                                                           3456 W
                             25-JAN-86
         3 Joe
                            13-SEP-06
17-APR-05
         4 Tom
                                              2413
                                                           6787 W
         5 Jane
                                              7654
                                                           4345 E
                            18-JUL-04
                                              5679
         6 James
                                                           6546 W
         7 Jodd
                             20-JUL-03
                                              5438
                                                           7658 E
         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
         5 Director
         6 Mediator
         7 Proffessor
         8 Programmer
         9 Developer
9 rows selected.
SOL>
SOL>
SQL> SELECT e.ename, j.jobtitle FROM employee e, job j WHERE e.empno (+) = j.empno (+);
SELECT e.ename, j.jobtitle FROM employee e, job j WHERE e.empno (+) = j.empno (+)
ERROR at line 1:
ORA-01468: a predicate may reference only one outer-joined table
SOL>
SQL> -- clean the table
SQL> drop table Employee
Table dropped.
SQL> drop table job
Table dropped.
```

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7.5.Outer Joins Limitations

- 7.5.1. Limitations on Outer Joins
- 7.5.2. You cannot use an outer join condition with the IN operator
- 7.5.3. You cannot use an outer join condition with another join using the OR operator

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