

Natural join two tables : natural join « Table Joins « Oracle PL/SQL Tutorial

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7.13.1.Natural join two tables

```
SQL>
SQL> create table employees(
 2      empno      NUMBER(4)
 3      , ename     VARCHAR2(8)
 4      , init      VARCHAR2(5)
 5      , job       VARCHAR2(8)
 6      , mgr       NUMBER(4)
 7      , bdate     DATE
 8      , msal      NUMBER(6,2)
 9      , comm      NUMBER(6,2)
10      , deptno    NUMBER(2) ) ;

Table created.

SQL>
SQL>
SQL> insert into employees values(1,'Jason', 'N', 'TRAINER', 2, date '1965-12-18', 800 , NULL, 10);

1 row created.

SQL> insert into employees values(2,'Jerry', 'J', 'SALESREP',3, date '1966-11-19', 1600, 300, 10);

1 row created.

SQL> insert into employees values(3,'Jord', 'T', 'SALESREP',4, date '1967-10-21', 1700, 500, 20);

1 row created.

SQL> insert into employees values(4,'Mary', 'J', 'MANAGER', 5, date '1968-09-22', 1800, NULL, 20);

1 row created.

SQL> insert into employees values(5,'Joe', 'P', 'SALESREP',6, date '1969-08-23', 1900, 1400, 30);

1 row created.

SQL> insert into employees values(6,'Black', 'R', 'MANAGER', 7, date '1970-07-24', 2000, NULL, 30);

1 row created.

SQL> insert into employees values(7,'Red', 'A', 'MANAGER', 8, date '1971-06-25', 2100, NULL, 40);

1 row created.

SQL> insert into employees values(8,'White', 'S', 'TRAINER', 9, date '1972-05-26', 2200, NULL, 40);

1 row created.

SQL> insert into employees values(9,'Yellow', 'C', 'DIRECTOR',10, date '1973-04-27', 2300, NULL, 20);

1 row created.

SQL> insert into employees values(10,'Pink', 'J', 'SALESREP',null,date '1974-03-28', 2400, 0, 30);

1 row created.

SQL>
SQL>
SQL>
SQL> create table history
 2      ( empno      NUMBER(4)
 3      , beginyear  NUMBER(4)
 4      , begindate  DATE
 5      , enddate    DATE
 6      , deptno    NUMBER(2)
 7      , msal      NUMBER(6,2)
 8      , comments   VARCHAR2(60)
 9      ) ;

Table created.

SQL>
SQL>
SQL>
SQL> insert into history values (9,2000,date '2000-01-01',date '2002-01-02',40, 950,'history for 9');

1 row created.
```

```
SQL> insert into history values (8,2000,date '2000-01-02', NULL ,20, 800,'');
1 row created.

SQL> insert into history values (7,1988,date '2000-01-06',date '2002-01-07',30,1000,'');
1 row created.

SQL> insert into history values (6,1989,date '2000-01-07',date '2002-01-12',30,1300,'');
1 row created.

SQL> insert into history values (5,1993,date '2000-01-12',date '2002-01-10',30,1500,'history for 5');
1 row created.

SQL> insert into history values (4,1995,date '2000-01-10',date '2002-01-11',30,1700,'');
1 row created.

SQL> insert into history values (3,1999,date '2000-01-11', NULL ,30,1600,'');
1 row created.

SQL> insert into history values (2,1986,date '2000-01-10',date '2002-01-08',20,1000,'history for 2');
1 row created.

SQL> insert into history values (1,1987,date '2000-01-08',date '2002-01-01',30,1000,'history for 1');
1 row created.

SQL> insert into history values (7,1989,date '2000-01-01',date '2002-05-12',30,1150,'history for 7');
1 row created.

SQL>
SQL>
SQL>
SQL> select ename, beginyear, msal, deptno
  2   from employees
  3   natural join
  4   history;

no rows selected

SQL>
SQL> drop table history;

Table dropped.

SQL>
SQL> drop table employees;

Table dropped.

SQL>
```

7.13.natural join

7.13.1. Natural join two tables

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