

Join two tables and combine three tables : Table Alias « Table Joins « Oracle PL/SQL Tutorial

[Home](#)[Oracle PL/SQL Tutorial](#)

1. Introduction
2. Query Select
3. Set
4. Insert Update Delete
5. Sequences
6. Table
7. **Table Joins**
8. View
9. Index
10. SQL Data Types
11. Character String Functions
12. Aggregate Functions
13. Date Timestamp Functions
14. Numerical Math Functions
15. Conversion Functions
16. Analytical Functions
17. Miscellaneous Functions
18. Regular Expressions Functions
19. Statistical Functions
20. Linear Regression Functions
21. PL SQL Data Types
22. PL SQL Statements
23. PL SQL Operators
24. PL SQL Programming
25. Cursor
26. Collections
27. Function Procedure Packages
28. Trigger
29. SQL PLUS Session Environment
30. System Tables Data Dictionary
31. System Packages
32. Object Oriented
33. XML
34. Large Objects
35. Transaction
36. User Privilege

[Oracle PL/SQL Tutorial » Table Joins » Table Alias](#) Search

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### 7.2.5.Join two tables and combine three tables

```
SQL>
SQL>
SQL> create table salgrades
2  ( grade          NUMBER(2)
3  , lowerlimit    NUMBER(6,2)
4  , upperlimit    NUMBER(6,2)
5  , bonus         NUMBER(6,2)
6  ) ;

Table created.

SQL>
SQL>
SQL> insert into salgrades values (1, 700,1200, 0);

1 row created.

SQL> insert into salgrades values (2, 1201,1400, 50);

1 row created.

SQL> insert into salgrades values (3, 1401,2000, 100);

1 row created.

SQL> insert into salgrades values (4, 2001,3000, 200);

1 row created.

SQL> insert into salgrades values (5, 3001,9999, 500);

1 row created.

SQL>
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> create table departments
  2  ( deptno NUMBER(2)
  3    , dname  VARCHAR2(10)
  4    , location VARCHAR2(20)
  5    , mgr     NUMBER(4)
  6  ) ;

Table created.

SQL>
SQL> insert into departments values (10,'ACCOUNTING','NEW YORK' , 2);
1 row created.

SQL> insert into departments values (20,'TRAINING', 'VANCOUVER', 3);
1 row created.

SQL> insert into departments values (30,'SALES', 'CHICAGO', 4);
1 row created.

SQL> insert into departments values (40,'HR', 'BOSTON', 5);
1 row created.

SQL>
SQL>
SQL>
SQL> select e.ename          employee
  2  ,      12*e.msal+s.bonus total_salary
  3  ,      d.dname          department
  4  from employees e
  5  ,      salgrades s
  6  ,      departments d
  7  where e.msal between s.lowerlimit
  8         and s.upperlimit
  9  and    e.deptno = d.deptno;

EMPLOYEE TOTAL_SALARY DEPARTMENT
-----
Jason          9600 ACCOUNTING
Jerry         19300 ACCOUNTING
Jord           20500 TRAINING
Mary           21700 TRAINING
Joe            22900 SALES
Black          24100 SALES
Red            25400 HR
White          26600 HR
Yellow         27800 TRAINING
Pink           29000 SALES

10 rows selected.

SQL>
SQL> drop table salgrades;

Table dropped.

SQL>
SQL>
SQL> drop table employees;

Table dropped.

SQL>
SQL> drop table departments;

Table dropped.

SQL>
```

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## 7.2. Table Alias

- 7.2.1. [List table from two tables without indicating column owner](#)
- 7.2.2. [List table from two tables and specifying its column owner](#)
- 7.2.3. [Join tables and order by columns from different tables](#)
- 7.2.4. [Calculation between column from different tables](#)
- 7.2.5. [Join two tables and combine three tables](#)
- 7.2.6. [Supplying Table Aliases](#)
- 7.2.7. [Use \\* to reference all columns from a table](#)
- 7.2.8. [Reference column without table name during table join](#)

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