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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>
```

7.2.Table Alias

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