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7.2.4.Calculation between column from different tables

```
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 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>
SQL> select e.ename            employee
  2      , 12*e.msal+s.bonus total_salary
  3 from employees e
  4      , salgrades s
  5 where e.msal between s.lowerlimit
  6              and s.upperlimit;

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

10 rows selected.

SQL>
SQL>
SQL> drop table employees;

Table dropped.

SQL>
SQL> drop table salgrades;

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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