Convert subqueries to JOINs: Introduction « Table Joins « Oracle PL/SQL Tutorial

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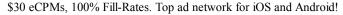
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# 7.1.7.Convert subqueries to JOINs

```
SQL>
SQL> CREATE TABLE emps (
       emp varchar(30)
      title,
               varchar(30)
Table created.
SOL>
SQL> INSERT INTO emps VALUES ('Tom', 'Programmer');
1 row created.
SQL> INSERT INTO emps VALUES ('Jack', 'Tester');
1 row created.
SQL> INSERT INTO emps VALUES ('Mary', 'Technician');
1 row created.
SQL>
SQL> CREATE TABLE JobLevel (
       title
                 varchar(30)
               varchar(30)
  4
Table created.
SQL> INSERT INTO JobLevel VALUES ('Programmer', 'Level1');
1 row created.
SQL> INSERT INTO JobLevel VALUES ('Tester', 'Level2');
1 row created.
SQL> INSERT INTO JobLevel VALUES ('Technician', 'Level3');
1 row created.
SOL>
SQL> CREATE TABLE salary (
                varchar(30)
      rank
      ,payment DECIMAL(10,2)
Table created.
SQL> INSERT INTO salary VALUES ('Level1',2000.00);
1 row created.
SQL> INSERT INTO salary VALUES ('Level2',3000.00);
1 row created.
SQL> INSERT INTO salary VALUES ('Level3',5000.00);
1 row created.
SQL> INSERT INTO salary VALUES ('Level4',6000.00);
1 row created.
SQL> select * from emps;
EMP
TITLE
Tom
```

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```
Programmer
Jack
Tester
Mary
Technician
3 rows selected.
SQL> select * from JobLevel;
TITLE
RANK
Programmer
Level1
Tester
Level2
Technician
Level3
3 rows selected.
SQL> select * from salary;
RANK
                                   PAYMENT
Level1
                                       2000
Level2
                                       3000
Level3
                                       5000
                                       6000
Level4
4 rows selected.
SQL>
SQL> SELECT payment FROM salary WHERE rank =
      (SELECT rank FROM JobLevel WHERE title =
         (SELECT title FROM emps WHERE emp = 'Jack'));
   PAYMENT
      3000
1 row selected.
SQL>
SQL>
SQL>
SQL> DROP TABLE emps;
Table dropped.
SQL> DROP TABLE JobLevel;
Table dropped.
SQL> DROP TABLE salary;
Table dropped.
SQL>
```

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