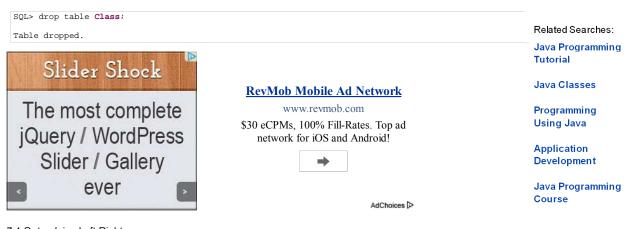Left Outer Join : Outer Joins Left Right « Table Joins « Oracle PL/SQL Tutorial

Oracle PL/SQL Tutorial » Table Joins » Outer Joins Left Right

7.4.13.Left Outer Join

```
SQL>
SQL> CREATE TABLE Room (
  2     RoomID   INT NOT NULL PRIMARY KEY,
  3     Comments VARCHAR(50),
  4     Capacity INT);

Table created.

SQL> INSERT INTO Room (RoomID,Comments,Capacity) VALUES (1,'Main hall',500);

1 row created.

SQL> INSERT INTO Room (RoomID,Comments,Capacity) VALUES (2,'Science Department',200);

1 row created.

SQL> INSERT INTO Room (RoomID,Comments,Capacity) VALUES (3,'Science Room 1',100);

1 row created.

SQL> INSERT INTO Room (RoomID,Comments,Capacity) VALUES (4,'Languages Block',300);

1 row created.

SQL> INSERT INTO Room (RoomID,Comments,Capacity) VALUES (5,'Languages Room 1',75);

1 row created.

SQL>
SQL>
SQL>
SQL> CREATE TABLE Class (
  2     ClassID      INT NOT NULL PRIMARY KEY,
  3     CourseID     INT NOT NULL,
  4     InstructorID INT NOT NULL,
  5     RoomID       INT NOT NULL,
  6     Time         VARCHAR(50));

Table created.

SQL> INSERT INTO Class (ClassID,CourseID,InstructorID,RoomID,Time) VALUES (1,1,1,6,'Mon 09:00-11:00');

1 row created.

SQL> INSERT INTO Class (ClassID,CourseID,InstructorID,RoomID,Time) VALUES (2,2,1,5,'Mon 11:00-12:00, T

1 row created.

SQL> INSERT INTO Class (ClassID,CourseID,InstructorID,RoomID,Time) VALUES (3,3,2,3,'Mon 14:00-16:00');

1 row created.

SQL> INSERT INTO Class (ClassID,CourseID,InstructorID,RoomID,Time) VALUES (4,4,3,2,'Tue 10:00-12:00, T

1 row created.

SQL> INSERT INTO Class (ClassID,CourseID,InstructorID,RoomID,Time) VALUES (5,5,2,9,'Tue 14:00-16:00');

1 row created.

SQL>
SQL>
SQL>
SQL> SELECT Room.RoomID, Class.Time
  2  FROM Room
  3     LEFT OUTER JOIN Class
  4     ON Room.RoomID = Class.RoomID
  5  ORDER BY Room.RoomID;

    ROOMID TIME
---------- ------------------------------------------------
         1
         2 Tue 10:00-12:00, Thu 14:00-15:00
         3 Mon 14:00-16:00
         4
         5 Mon 11:00-12:00, Thu 09:00-11:00

5 rows selected.

SQL>
SQL>
SQL>
```

```
SQL> drop table Class;

Table dropped.
```

7.4.Outer Joins Left Right