

PL Sql

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AdChoices

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

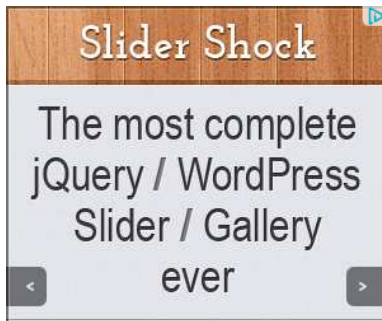
5 rows selected.

SQL>
SQL>
SQL>
```



```
SQL> drop table class;
```

```
Table dropped.
```



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