

Right Outer Join(room vs class) : Outer Joins Left Right « Table Joins « Oracle PL/SQL Tutorial

[Home](#)
[Oracle PL/SQL Tutorial](#)

1. Introduction
2. Query Select
3. Set
4. Insert Update Delete
5. Sequences
6. Table
7. **Table Joins**
8. View
9. Index
10. SQL Data Types
11. Character String Functions
12. Aggregate Functions
13. Date Timestamp Functions
14. Numerical Math Functions
15. Conversion Functions
16. Analytical Functions
17. Miscellaneous Functions
18. Regular Expressions Functions
19. Statistical Functions
20. Linear Regression Functions
21. PL SQL Data Types
22. PL SQL Statements
23. PL SQL Operators
24. PL SQL Programming
25. Cursor
26. Collections
27. Function Procedure Packages
28. Trigger
29. SQL PLUS Session Environment
30. System Tables Data Dictionary
31. System Packages
32. Object Oriented
33. XML
34. Large Objects
35. Transaction
36. User Privilege

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

 Search

7.4.15.Right Outer Join(room vs class)

```
SQL>
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, Thu 09:00-11:00');

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, Thu 14:00-15:00');

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 Class
3   RIGHT OUTER JOIN Room
4   ON Class.RoomID = Room.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> drop table Room;

Table dropped.

SQL> drop table Class;
```

Table dropped.

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7.4.Outer Joins Left Right

- 7.4.1. [Understanding Outer Joins](#)
- 7.4.2. [Left and Right Outer Joins](#)
- 7.4.3. [An Example of a Left Outer Join 1](#)
- 7.4.4. [An Example of a Left Outer Join 2](#)
- 7.4.5. [An Example of a Right Outer Join 1](#)
- 7.4.6. [An Example of a Right Outer Join 2](#)
- 7.4.7. [Perform outer joins in combination with self joins, employee and job tables](#)
- 7.4.8. [Example outer join with \(+\)](#)
- 7.4.9. [Right outer join with using statement](#)
- 7.4.10. [Right outer join with group by](#)
- 7.4.11. [LEFT OUTER JOIN tableName ON joined columns](#)
- 7.4.12. [LEFT OUTER JOIN vs RIGHT OUTER JOIN](#)
- 7.4.13. [Left Outer Join](#)
- 7.4.14. [Right Outer Join](#)
- 7.4.15. [Right Outer Join\(room vs class\)](#)
- 7.4.16. [Right join with where in clause](#)

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