```
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Oracle PL/SQL
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                     7.4.15.Right Outer Join(room vs class)
   Delete
5. Sequences
6. Table
7. Table Joins
                      SQL>
8. View
                      SOL>
                      SQL> CREATE TABLE Room (
9. Index
                               RoomID INT NOT NULL PRIMARY KEY,
Comments VARCHAR(50),
10. SQL Data Types
 11. Character String
                               Capacity INT);
   Functions
 12. Aggregate
                      Table created.
    Functions
                      SQL> INSERT INTO Room (RoomID, Comments, Capacity) VALUES (1, 'Main hall', 500);
 13. Date Timestamp
                      1 row created.
 14. Numerical Math
    Functions
                      SQL> INSERT INTO Room (RoomID, Comments, Capacity) VALUES (2, 'Science Department', 200);
 15. Conversion
                      1 row created.
   Functions
 16. Analytical Functions
                      SQL> INSERT INTO Room (RoomID, Comments, Capacity) VALUES (3, 'Science Room 1', 100);
17. Miscellaneous
                      1 row created.
 18. Regular
                      SQL> INSERT INTO Room (RoomID, Comments, Capacity) VALUES (4, 'Languages Block', 300);
    Expressions
   Functions
                      1 row created.
 19. Statistical
   Functions
                      SQL> INSERT INTO Room (RoomID, Comments, Capacity) VALUES (5, 'Languages Room 1',75);
 20. Linear Regression
   Functions
                      1 row created.
21. PL SQL Data
                      SOL>
22. PL SQL
                      SOL>
   Statements
                      SQL> CREATE TABLE Class (
23. PL SQL Operators
                                             INT NOT NULL PRIMARY KEY,
                                ClassID
                                CourseID INT NOT NULL,
InstructorID INT NOT NULL,
24. PL SQL
   Programming
                                RoomID
25. Cursor
                               Time
                                             VARCHAR(50));
26. Collections
                      Table created.
27. Function Procedure
   Packages
                      SQL> INSERT INTO Class (ClassID, CourseID, InstructorID, RoomID, Time) VALUES (1,1,1,6, 'Mon 09:00-11:00');
28. Trigger
29. SQL PLUS
                      1 row created.
    Session
   Environment
                      SQL> INSERT INTO Class (ClassID, CourseID, InstructorID, RoomID, Time) VALUES (2,2,1,5, 'Mon 11:00-12:00, Thu 09:00-11:00');
30. System Tables
                      1 row created.
   Data Dictionary
31. System Packages
                      SOL> INSERT INTO Class (ClassID.CourseID.InstructorID.RoomID.Time) VALUES (3.3.2.3.'Mon 14:00-16:00');
32. Object Oriented
33. XML
34. Large Objects
                      SOL> INSERT INTO Class (ClassID.CourseID.InstructorID.RoomID.Time) VALUES (4.4.3.2. 'Tue 10:00-12:00, Thu 14:00-15:00');
35. Transaction
36. User Privilege
                      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.
                      SOL>
                      SQL>
                      SQL> SELECT Room.RoomID, Class.Time
                            FROM Class
                                RIGHT OUTER JOIN Room
                                ON Class.RoomID = Room.RoomID
                            ORDER BY Room.RoomID;
                           ROOMID TIME
                                 2 Tue 10:00-12:00, Thu 14:00-15:00 3 Mon 14:00-16:00
                                 5 Mon 11:00-12:00, Thu 09:00-11:00
                      5 rows selected.
                      SQL> drop table Room;
                      Table dropped.
                      SQL> drop table Class;
```

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Table dropped.

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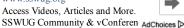
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7.4. Outer Joins Left Right

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- 7.4.2. Left and Right Outer Joins
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- LEFT OUTER JOIN vs RIGHT OUTER JOIN 7.4.12.
- 7.4.13. Left Outer Join
- 7.4.14. Right Outer Join
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- 7.4.16. Right join with where in clause

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