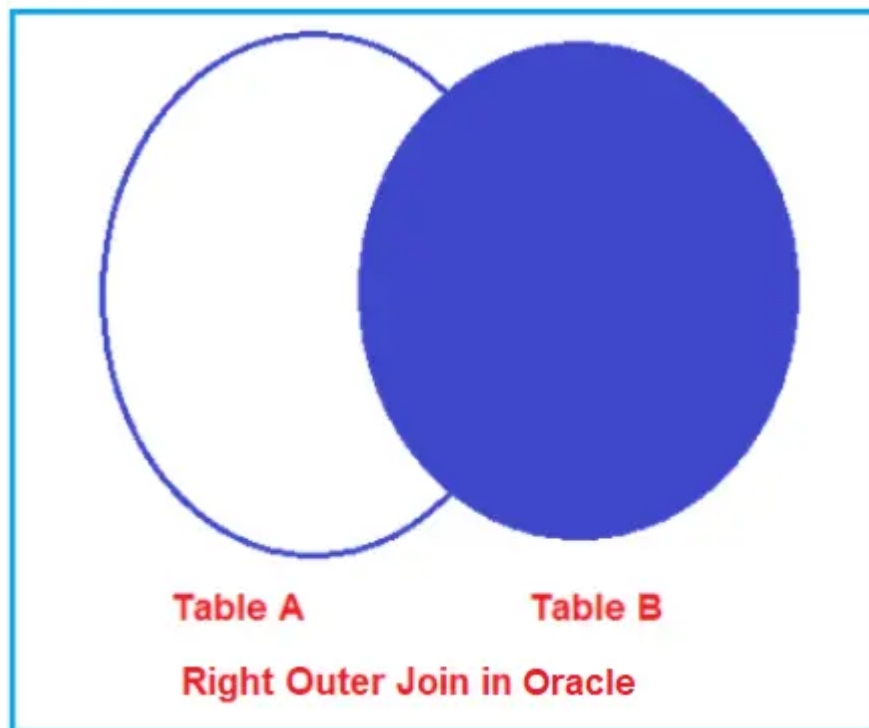


Right Outer Join in Oracle

What is Right Outer Join in Oracle?

The Right Outer Join in Oracle is used to retrieve all the matching records from both the tables as well as non-matching records from the right-side table. In that case, the non-matching data will take a null value. The RIGHT OUTER JOIN or RIGHT JOIN keyword is used to perform the right join operation in Oracle.



When do we need to use Right JOIN in Oracle?

If you want to retrieve all the matching rows from both the tables involved in the join as well as all the non-matching rows from the right-side table in the result set then you need to use Right Outer Join in Oracle. In that case, the non-matching rows will take a null value.

Our requirement is to retrieve the EmployeeId, FullName, Department, Gender, ProjectName from the Employee and Projects tables.

```
SELECT Projects.ProjectId, ProjectName, Employee.EmployeeID, FullName, Department,
Gender
FROM Employee
```

```
RIGHT OUTER JOIN Projects
ON Employee.EmployeeID = Projects.EmployeeId;
```

OR

```
SELECT Projects.ProjectId, ProjectName, Employee.EmployeeID, FullName, Department,
Gender
FROM Employee
RIGHT JOIN Projects
ON Employee.EmployeeID = Projects.EmployeeId;
```

Right Outer Join with Where Condition:

Our requirement is to retrieve all the Projects along with the Employee details from the Employee and Projects tables by using the Right Outer Join where the gender is Male.

```
SELECT Projects.ProjectId, ProjectName, Employee.EmployeeID, FullName, Department,
Gender
FROM Employee
RIGHT JOIN Projects
ON Employee.EmployeeID = Projects.EmployeeId
WHERE Employee.Gender = 'Male';
```

How to retrieve only the non-matching rows from the left table?

requirement is, we want to retrieve only those three projects from the Projects table.

```
SELECT Projects.ProjectId, ProjectName, Employee.EmployeeID, FullName, Department,
Gender
FROM Employee
RIGHT JOIN Projects
ON Employee.EmployeeID = Projects.EmployeeId
WHERE Projects.EmployeeId IS NULL;
```

Joining three Tables in Oracle using Right Outer Join:

requirement is to fetch the details of all employees along with the project name and address if they have one.

```
SELECT Employee.EmployeeID, FullName, Department, Gender, ProjectName, Country, State,
City
FROM Employee
RIGHT OUTER JOIN Projects ON Employee.EmployeeID = Projects.EmployeeId
RIGHT JOIN Address ON Projects.EmployeeID = Address.EmployeeId;
```

