

SQL LEFT JOIN Keyword

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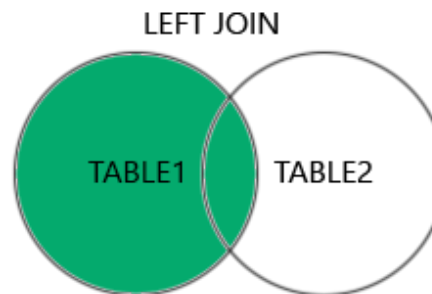
SQL LEFT JOIN Keyword

The **LEFT JOIN** keyword returns all records from the left table (table1), and the matching records from the right table (table2). The result is 0 records from the right side, if there is no match.

LEFT JOIN Syntax

```
SELECT column_name(s)
FROM table1
LEFT JOIN table2
ON table1.column_name = table2.column_name;
```

Note: In some databases LEFT JOIN is called LEFT OUTER JOIN.



Demo Database

In this tutorial we will use the well-known Northwind sample database.

Below is a selection from the "Customers" table:

| CustomerID | CustomerName | ContactName | Address | City | PostalCode | Country |
|------------|--|-------------------|-------------------------------------|----------------|------------|---------|
| 1 | Alfreds Futterkiste | Maria Anders | Obere Str. 57 | Berlin | 12209 | Germany |
| 2 | Ana Trujillo Emparedados y helados | Ana Trujillo | Avda. de la Constitución 2222 | México D.F. | 05021 | Mexico |
| 3 | Antonio Moreno Taquería | Antonio Moreno | Mataderos 2312 | México D.F. | 05023 | Mexico |

And a selection from the "Orders" table:

| OrderID | CustomerID | EmployeeID | OrderDate | ShipperID |
|---------|------------|------------|------------|-----------|
| 10308 | 2 | 7 | 1996-09-18 | 3 |
| 10309 | 37 | 3 | 1996-09-19 | 1 |
| 10310 | 77 | 8 | 1996-09-20 | 2 |

SQL LEFT JOIN Example

The following SQL statement will select all customers, and any orders they might have:

Example

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```
SELECT Customers.CustomerName, Orders.OrderID  
FROM Customers  
LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID  
ORDER BY Customers.CustomerName;
```

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Note: The **LEFT JOIN** keyword returns all records from the left table (Customers), even if there are no matches in the right table (Orders).