w3schools.com

SQL LEFT JOIN Keyword

SQL LEFT JOIN Keyword

The LEFT JOIN keyword returns all rows from the left table (table1), with the matching rows in the right table (table2). The result is NULL in the right side when there is no match.
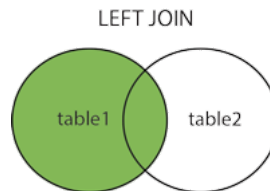
SQL LEFT JOIN Syntax

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

or:

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

PS! In some databases LEFT JOIN is called LEFT OUTER JOIN.

LEFT JOIN

table1   table2

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 return all customers, and any orders they might have:

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

Try it yourself »

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

Top 10 Tutorials

» HTML Tutorial
» HTML5 Tutorial
» CSS Tutorial
» CSS3 Tutorial
» JavaScript Tutorial
» jQuery Tutorial
» SQL Tutorial
» PHP Tutorial
» ASP.NET Tutorial
» XML Tutorial

Top 10 References

» HTML/HTML5 Reference
» CSS 1,2,3 Reference
» CSS 3 Browser Support
» JavaScript
» HTML DOM
» XML DOM
» PHP Reference
» jQuery Reference
» ASP.NET Reference
» HTML Colors

Top 10 Examples

» HTML Examples
» CSS Examples
» JavaScript Examples
» HTML DOM Examples
» PHP Examples
» jQuery Examples
» XML Examples
» XML DOM Examples
» ASP Examples
» SVG Examples

Web Certificates

» HTML Certificate
» HTML5 Certificate
» CSS Certificate
» JavaScript Certificate
» jQuery Certificate
» PHP Certificate
» XML Certificate
» ASP Certificate

Color Picker

w3schools.com