SQL GROUP BY Statement

Previous   Next

The SQL GROUP BY Statement

The `GROUP BY` statement groups rows that have the same values into summary rows, like "find the number of customers in each country".

The `GROUP BY` statement is often used with aggregate functions (`COUNT()` , `MAX()` , `MIN()` , `SUM()` , `AVG()`) to group the result-set by one or more columns.

GROUP BY Syntax

```sql
SELECT column_name(s)
FROM table_name
WHERE condition
GROUP BY column_name(s)
ORDER BY column_name(s);
```

Demo Database

Below is a selection from the "Customers" table in the Northwind sample database:

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
4	Around the Horn	Thomas Hardy	120 Hanover Sq.	London	WA1 1DP	UK
5	Berglunds snabbköp	Christina Berglund	Berguvsvägen 8	Luleå	S-958 22	Sweden

COLOR PICKER

LIKE US

Get certified by completing a course today!

SQL GROUP BY Examples

The following SQL statement lists the number of customers in each country:

Example

```
SELECT COUNT(CustomerID), Country
FROM Customers
GROUP BY Country;
```

Try it Yourself »

The following SQL statement lists the number of customers in each country, sorted high to low:

Example

```
SELECT COUNT(CustomerID), Country
FROM Customers
GROUP BY Country
ORDER BY COUNT(CustomerID) DESC;
```

Try it Yourself »

Demo Database

Below is a selection from the "Orders" table in the Northwind sample database:

OrderID	CustomerID	EmployeeID	OrderDate	ShipperID
10248	90	5	1996-07-04	3
10249	81	6	1996-07-05	1
10250	34	4	1996-07-08	2

And a selection from the "Shippers" table:

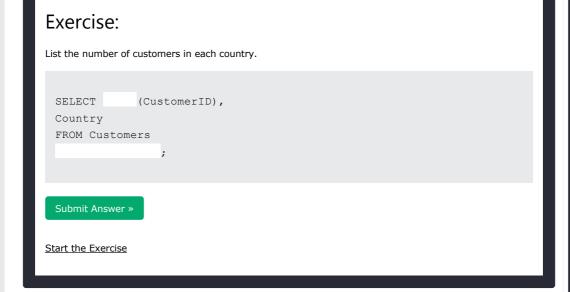| ShipperID	ShipperName
1	Speedy Express
2	United Package
3	Federal Shipping

GROUP BY With JOIN Example

The following SQL statement lists the number of orders sent by each shipper:

Example

```
SELECT Shippers.ShipperName, COUNT(Orders.OrderID) AS NumberOfOrders FROM Orders
LEFT JOIN Shippers ON Orders.ShipperID = Shippers.ShipperID
GROUP BY ShipperName;
```

Try it Yourself »

Test Yourself With Exercises

Exercise:

List the number of customers in each country.

```
SELECT         (CustomerID),
Country
FROM Customers
                  ;
```

Submit Answer »

Start the Exercise

```
SELECT         (CustomerID),
Country
FROM Customers
```

CODE GAME

Certificates

HTML

CSS

JavaScript

Front End

Python

SQL

And more

Top Tutorials

Top References

Top Examples

Web Courses

HTML Tutorial	HTML Reference	HTML Examples	HTML Course
CSS Tutorial	CSS Reference	CSS Examples	CSS Course
JavaScript Tutorial	JavaScript Reference	JavaScript Examples	JavaScript Course
How To Tutorial	SQL Reference	How To Examples	Front End Course
SQL Tutorial	Python Reference	SQL Examples	SQL Course
Python Tutorial	W3.CSS Reference	Python Examples	Python Course
W3.CSS Tutorial	Bootstrap Reference	W3.CSS Examples	PHP Course
Bootstrap Tutorial	PHP Reference	Bootstrap Examples	jQuery Course
PHP Tutorial	HTML Colors	PHP Examples	Java Course
Java Tutorial	Java Reference	Java Examples	C++ Course
C++ Tutorial	Angular Reference	XML Examples	C# Course
jQuery Tutorial	jQuery Reference	jQuery Examples	XML Course

Get Certified »