SQL AND Operator

The SQL AND Operator

The `WHERE` clause can contain one or many `AND` operators.

The `AND` operator is used to filter records based on more than one condition, like if you want to return all customers from Spain that starts with the letter 'G':

Example
Get your own SQL Server

Select all customers from Spain that starts with the letter 'G':

```sql
SELECT *
FROM Customers
WHERE Country = 'Spain' AND CustomerName LIKE 'G%';
```

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Syntax

```sql
SELECT column1, column2, ...
FROM table_name
WHERE condition1 AND condition2 AND condition3 ...;
```

AND vs OR

The `AND` operator displays a record if *all* the conditions are TRUE.

The `OR` operator displays a record if *any* of the conditions are TRUE.

Demo Database

Below is a selection from the **Customers** table used in the examples:

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

All Conditions Must Be True

The following SQL statement selects all fields from `Customers` where `Country` is "Germany" AND `City` is "Berlin" AND `PostalCode` is higher than 12000:

Example

```
SELECT * FROM Customers
WHERE Country = 'Germany'
AND City = 'Berlin'
AND PostalCode > 12000;
```

Try it Yourself »

Combining AND and OR

You can combine the `AND` and `OR` operators.

The following SQL statement selects all customers from Spain that starts with a "G" or an "R".

Make sure you use parenthesis to get the correct result.

Example

Select all Spanish customers that starts with either "G" or "R":

```
SELECT * FROM Customers
WHERE Country = 'Spain' AND (CustomerName LIKE 'G%' OR CustomerName LIKE 'R%');
```

Without parenthesis, the select statement will return all customers from Spain that starts with a "G", *plus* all customers that starts with an "R", regardless of the country value:

Example

Select all customers that either:
are from Spain and starts with either "G", *or*
starts with the letter "R":

```sql
SELECT * FROM Customers
WHERE Country = 'Spain' AND CustomerName LIKE 'G%' OR CustomerName LIKE 'R%';
```

Test Yourself With Exercises

Exercise:

Select all records where the `City` column has the value 'Berlin' and the `PostalCode` column has the value 12209.

```
        * FROM Customers
     City = 'Berlin'
```

```
= 12209;
```

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Start the Exercise