# **SQL OR Operator**

**SQL OR Operator:**

1. The WHERE clause can contain one or more OR operators.
2. The OR operator is used to filter records based on more than one condition, like if you want to return all customers from Germany but also those from Spain:

|  |
| --- |
| SELECT \* FROM Customers  WHERE Country = 'Germany' OR Country = 'Spain'; |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CustomerID** | **CustomerName** | **ContactName** | **Address** | **City** | **PostalCode** | **Country** |
| 1 | Alfreds Futterkiste | Maria Anders | Obere Str. 57 | Berlin | 12209 | Germany |
| 6 | Blauer See Delikatessen | Hanna Moos | Forsterstr. 57 | Mannheim | 68306 | Germany |
| 8 | Bólido Comidas preparadas | Martín Sommer | C/ Araquil, 67 | Madrid | 28023 | Spain |
| 17 | Drachenblut Delikatessend | Sven Ottlieb | Walserweg 21 | Aachen | 52066 | Germany |
| 22 | FISSA Fabrica Inter. Salchichas S.A. | Diego Roel | C/ Moralzarzal, 86 | Madrid | 28034 | Spain |

1. The syntax is:

|  |
| --- |
| SELECT column1, column2, ...  FROM table\_name  WHERE condition1 OR condition2 OR condition3 ...; |

**OR vs AND:**

1. The OR operator displays a record if any of the conditions are TRUE.
2. The AND operator displays a record if all the conditions are TRUE.

**At Least One Condition Must Be True:**

1. The following SQL statement selects all fields from Customers where either City is "Berlin", CustomerName starts with the letter "G" or Country is "Norway":

|  |
| --- |
| SELECT \* FROM Customers  WHERE City = 'Berlin'  OR CustomerName LIKE 'G%'  OR Country = 'Norway'; |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CustomerID** | **CustomerName** | **ContactName** | **Address** | **City** | **PostalCode** | **Country** |
| 1 | Alfreds Futterkiste | Maria Anders | Obere Str. 57 | Berlin | 12209 | Germany |
| 29 | Galería del gastrónomo | Eduardo Saavedra | Rambla de Cataluña, 23 | Barcelona | 08022 | Spain |
| 30 | Godos Cocina Típica | José Pedro Freyre | C/ Romero, 33 | Sevilla | 41101 | Spain |
| 31 | Gourmet Lanchonetes | André Fonseca | Av. Brasil, 442 | Campinas | 04876-786 | Brazil |
| 32 | Great Lakes Food Market | Howard Snyder | 2732 Baker Blvd. | Eugene | 97403 | USA |
| 33 | GROSELLA-Restaurante | Manuel Pereira | 5ª Ave. Los Palos Grandes | Caracas | 1081 | Venezuela |
| 70 | Santé Gourmet | Jonas Bergulfsen | Erling Skakkes gate 78 | Stavern | 4110 | Norway |

**Combining AND and OR:**

1. You can combine the AND and OR operators.
2. The following SQL statement selects all customers from Spain that starts with a "G" or an "R".
3. Make sure you use parenthesis to get the correct result.

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CustomerID** | **CustomerName** | **ContactName** | **Address** | **City** | **PostalCode** | **Country** |
| 29 | Galería del gastrónomo | Eduardo Saavedra | Rambla de Cataluña, 23 | Barcelona | 08022 | Spain |
| 30 | Godos Cocina Típica | José Pedro Freyre | C/ Romero, 33 | Sevilla | 41101 | Spain |
| 69 | Romero y tomillo | Alejandra Camino | Gran Vía, 1 | Madrid | 28001 | Spain |

1. 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:

|  |
| --- |
| SELECT \* FROM Customers  WHERE Country = 'Spain'  AND CustomerName LIKE 'G%' OR CustomerName LIKE 'R%'; |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CustomerID** | **CustomerName** | **ContactName** | **Address** | **City** | **PostalCode** | **Country** |
| 29 | Galería del gastrónomo | Eduardo Saavedra | Rambla de Cataluña, 23 | Barcelona | 08022 | Spain |
| 30 | Godos Cocina Típica | José Pedro Freyre | C/ Romero, 33 | Sevilla | 41101 | Spain |
| 64 | Rancho grande | Sergio Gutiérrez | Av. del Libertador 900 | Buenos Aires | 1010 | Argentina |
| 65 | Rattlesnake Canyon Grocery | Paula Wilson | 2817 Milton Dr. | Albuquerque | 87110 | USA |
| 66 | Reggiani Caseifici | Maurizio Moroni | Strada Provinciale 124 | Reggio Emilia | 42100 | Italy |
| 67 | Ricardo Adocicados | Janete Limeira | Av. Copacabana, 267 | Rio de Janeiro | 02389-890 | Brazil |
| 68 | Richter Supermarkt | Michael Holz | Grenzacherweg 237 | Genève | 1203 | Switzerland |
| 69 | Romero y tomillo | Alejandra Camino | Gran Vía, 1 | Madrid | 28001 | Spain |