MySQL Database:

Customers (91):

**CustomerID**, CustomerName, ContactName, Address, City, PostalCode, Country

Resumen:

## Hay 91 clientes

SELECT \*

FROM `northwind-sample-database.dataset.Customers`;

## [Hay 21 paises](https://drive.google.com/file/d/1XJllgBefJge19bsUoPH62Q6N7gzUPQqH/view?usp=drive_link)

SELECT COUNT(DISTINCT Country) AS total\_distinto

FROM `northwind-sample-database.dataset.Customers`;

SELECT DISTINCT Country

FROM `northwind-sample-database.dataset.Customers`;

## Hay 69 ciudades

SELECT COUNT(DISTINCT Country) AS total\_distinto

FROM `northwind-sample-database.dataset.Customers`;

SELECT DISTINCT Country

FROM `northwind-sample-database.dataset.Customers`;

## Este es el desglose y conteo de cuantas ciudades perteneces a país

| Germany | 11 | Berlin, Mannheim, Aachen, München, Brandenburg, Frankfurt a.M., Leipzig, Köln, Cunewalde, Münster, Stuttgart |
| --- | --- | --- |
| Mexico | 1 | México D.F. |
| UK | 2 | London, Cowes |
| Sweden | 2 | Luleå, Bräcke |
| France | 9 | Strasbourg, Marseille, Nantes, Lille, Versailles, Toulouse, Paris, Lyon, Reims |
| Spain | 3 | Madrid, Barcelona, Sevilla |
| Canada | 3 | Tsawassen, Vancouver, Montréal |
| Argentina | 1 | Buenos Aires |
| Switzerland | 2 | Bern, Genève |
| Brazil | 4 | São Paulo, Campinas, Rio de Janeiro, Resende |
| Austria | 2 | Graz, Salzburg |
| Italy | 3 | Torino, Bergamo, Reggio Emilia |
| Portugal | 1 | Lisboa |
| USA | 12 | Eugene, Elgin, Walla Walla, San Francisco, Portland, Anchorage, Albuquerque, Boise, Lander, Butte, Kirkland, Seattle |
| Venezuela | 4 | Caracas, San Cristóbal, Barquisimeto, I. de Margarita |
| Ireland | 1 | Cork |
| Belgium | 2 | Bruxelles, Charleroi |
| Norway | 1 | Stavern |
| Denmark | 2 | København, Århus |
| Finland | 2 | Oulu, Helsinki |
| Poland | 1 | Walla |

SELECT

Country,

COUNT(DISTINCT City) AS numero\_ciudades,

STRING\_AGG(DISTINCT City, ', ') AS ciudades\_concatenadas

FROM

`northwind-sample-database.dataset.Customers`

GROUP BY

Country;

## Este la dirección completa concatenada con solo id de cliente

| 1 | Obere Str. 57, Berlin, Germany |
| --- | --- |
| 2 | Avda. de la Constitución 2222, México D.F., Mexico |
| 3 | Mataderos 2312, México D.F., Mexico |
| 4 | 120 Hanover Sq., London, UK |
| 5 | Berguvsvägen 8, Luleå, Sweden |
| 6 | Forsterstr. 57, Mannheim, Germany |
| 7 | 24, place Kléber, Strasbourg, France |
| 8 | C/ Araquil, 67, Madrid, Spain |
| 9 | 12, rue des Bouchers, Marseille, France |
| 10 | 23 Tsawassen Blvd., Tsawassen, Canada |
| 11 | Fauntleroy Circus, London, UK |
| 12 | Cerrito 333, Buenos Aires, Argentina |
| 13 | Sierras de Granada 9993, México D.F., Mexico |
| 14 | Hauptstr. 29, Bern, Switzerland |
| 15 | Av. dos Lusíadas, 23, São Paulo, Brazil |
| 16 | Berkeley Gardens 12 Brewery, London, UK |
| 17 | Walserweg 21, Aachen, Germany |
| 18 | 67, rue des Cinquante Otages, Nantes, France |
| 19 | 35 King George, London, UK |
| 20 | Kirchgasse 6, Graz, Austria |
| 21 | Rua Orós, 92, São Paulo, Brazil |
| 22 | C/ Moralzarzal, 86, Madrid, Spain |
| 23 | 184, chaussée de Tournai, Lille, France |
| 24 | Åkergatan 24, Bräcke, Sweden |
| 25 | Berliner Platz 43, München, Germany |
| 26 | 54, rue Royale, Nantes, France |
| 27 | Via Monte Bianco 34, Torino, Italy |
| 28 | Jardim das rosas n. 32, Lisboa, Portugal |
| 29 | Rambla de Cataluña, 23, Barcelona, Spain |
| 30 | C/ Romero, 33, Sevilla, Spain |
| 31 | Av. Brasil, 442, Campinas, Brazil |
| 32 | 2732 Baker Blvd., Eugene, USA |
| 33 | 5ª Ave. Los Palos Grandes, Caracas, Venezuela |
| 34 | Rua do Paço, 67, Rio de Janeiro, Brazil |
| 35 | Carrera 22 con Ave. Carlos Soublette #8-35, San Cristóbal, Venezuela |
| 36 | City Center Plaza 516 Main St., Elgin, USA |
| 37 | 8 Johnstown Road, Cork, Ireland |
| 38 | Garden House Crowther Way, Cowes, UK |
| 39 | Maubelstr. 90, Brandenburg, Germany |
| 40 | 67, avenue de l'Europe, Versailles, France |
| 41 | 1 rue Alsace-Lorraine, Toulouse, France |
| 42 | 1900 Oak St., Vancouver, Canada |
| 43 | 12 Orchestra Terrace, Walla Walla, USA |
| 44 | Magazinweg 7, Frankfurt a.M., Germany |
| 45 | 87 Polk St. Suite 5, San Francisco, USA |
| 46 | Carrera 52 con Ave. Bolívar #65-98 Llano Largo, Barquisimeto, Venezuela |
| 47 | Ave. 5 de Mayo Porlamar, I. de Margarita, Venezuela |
| 48 | 89 Chiaroscuro Rd., Portland, USA |
| 49 | Via Ludovico il Moro 22, Bergamo, Italy |
| 50 | Rue Joseph-Bens 532, Bruxelles, Belgium |
| 51 | 43 rue St. Laurent, Montréal, Canada |
| 52 | Heerstr. 22, Leipzig, Germany |
| 53 | South House 300 Queensbridge, London, UK |
| 54 | Ing. Gustavo Moncada 8585 Piso 20-A, Buenos Aires, Argentina |
| 55 | 2743 Bering St., Anchorage, USA |
| 56 | Mehrheimerstr. 369, Köln, Germany |
| 57 | 265, boulevard Charonne, Paris, France |
| 58 | Calle Dr. Jorge Cash 321, México D.F., Mexico |
| 59 | Geislweg 14, Salzburg, Austria |
| 60 | Estrada da saúde n. 58, Lisboa, Portugal |
| 61 | Rua da Panificadora, 12, Rio de Janeiro, Brazil |
| 62 | Alameda dos Canàrios, 891, São Paulo, Brazil |
| 63 | Taucherstraße 10, Cunewalde, Germany |
| 64 | Av. del Libertador 900, Buenos Aires, Argentina |
| 65 | 2817 Milton Dr., Albuquerque, USA |
| 66 | Strada Provinciale 124, Reggio Emilia, Italy |
| 67 | Av. Copacabana, 267, Rio de Janeiro, Brazil |
| 68 | Grenzacherweg 237, Genève, Switzerland |
| 69 | Gran Vía, 1, Madrid, Spain |
| 70 | Erling Skakkes gate 78, Stavern, Norway |
| 71 | 187 Suffolk Ln., Boise, USA |
| 72 | 90 Wadhurst Rd., London, UK |
| 73 | Vinbæltet 34, København, Denmark |
| 74 | 25, rue Lauriston, Paris, France |
| 75 | P.O. Box 555, Lander, USA |
| 76 | Boulevard Tirou, 255, Charleroi, Belgium |
| 77 | 89 Jefferson Way Suite 2, Portland, USA |
| 78 | 55 Grizzly Peak Rd., Butte, USA |
| 79 | Luisenstr. 48, Münster, Germany |
| 80 | Avda. Azteca 123, México D.F., Mexico |
| 81 | Av. Inês de Castro, 414, São Paulo, Brazil |
| 82 | 722 DaVinci Blvd., Kirkland, USA |
| 83 | Smagsløget 45, Århus, Denmark |
| 84 | 2, rue du Commerce, Lyon, France |
| 85 | 59 rue de l'Abbaye, Reims, France |
| 86 | Adenauerallee 900, Stuttgart, Germany |
| 87 | Torikatu 38, Oulu, Finland |
| 88 | Rua do Mercado, 12, Resende, Brazil |
| 89 | 305 - 14th Ave. S. Suite 3B, Seattle, USA |
| 90 | Keskuskatu 45, Helsinki, Finland |
| 91 | ul. Filtrowa 68, Walla, Poland |

SELECT

CustomerID,

CONCAT(Address, ', ', City, ', ', Country) AS Location

FROM

`northwind-sample-database.dataset.Customers`

* Estos son los códigos postales que se repiten

| **PostalCode** | **DuplicateCount** |
| --- | --- |
| 1010 | 3 |
| 5022 | 2 |
| 44000 | 2 |
| 5033 | 2 |

SELECT PostalCode, COUNT(\*) AS DuplicateCount

FROM `northwind-sample-database.dataset.Customers`

GROUP BY PostalCode

HAVING COUNT(\*) > 1;

Categories (8):

**CategoryID**, CategoryName, Description

Resumen:

## Hay 8 categorias: Beverages, Condiments, Confections, Dairy Products, Grains/Cereals, Meat/Poultry, Produce, Seafood

SELECT \*

FROM `northwind-sample-database.dataset.Categories`;

## Hay 8 categorias distintas

SELECT COUNT(DISTINCT CategoryName) AS total\_distinto

FROM `northwind-sample-database.dataset.Categories`;

Employees (9):

**EmployeeID,** LastName, FirstName, BirthDate, Photo, Notes

## Hay 10 empleados

## La edad de cada uno es la siguiente y el promedio es 63 años

| Nancy Davolio | 56 |
| --- | --- |
| Andrew Fuller | 72 |
| Janet Leverling | 61 |
| Margaret Peacock | 66 |
| Steven Buchanan | 69 |
| Michael Suyama | 61 |
| Robert King | 64 |
| Laura Callahan | 66 |
| Anne Dodsworth | 55 |

SELECT

CONCAT(FirstName, ' ', LastName) AS NombreCompleto,

DATE\_DIFF(CURRENT\_DATE(), BirthDate, YEAR) AS Edad

FROM

`northwind-sample-database.dataset.Employees`;

-- Para calcular el promedio de todas las edades:

SELECT

AVG(Edad) AS EdadPromedio

FROM

( SELECT

CONCAT(FirstName, ' ', LastName) AS NombreCompleto,

DATE\_DIFF(CURRENT\_DATE(), BirthDate, YEAR) AS Edad

FROM

`northwind-sample-database.dataset.Employees`

)

OrderDetails (2155):

**OrderDetailID**,  **OrderID**, ProductID, Quantity

## Ordenes detalladas por fecha y nombre de producto

| 10248 | 4/07/1996 | 11 | Queso Cabrales | 12 |
| --- | --- | --- | --- | --- |
| 10248 | 4/07/1996 | 42 | Singaporean Hokkien Fried Mee | 10 |
| 10248 | 4/07/1996 | 72 | Mozzarella di Giovanni | 5 |
| 10249 | 5/07/1996 | 14 | Tofu | 9 |
| 10249 | 5/07/1996 | 51 | Manjimup Dried Apples | 40 |
| 10250 | 8/07/1996 | 41 | Jack's New England Clam Chowder | 10 |
| 10250 | 8/07/1996 | 51 | Manjimup Dried Apples | 35 |
| 10250 | 8/07/1996 | 65 | Louisiana Fiery Hot Pepper Sauce | 15 |

SELECT

od.OrderID,

od.ProductID,

p.ProductName,

od.Quantity,

o.OrderDate

FROM

`northwind-sample-database.dataset.OrderDetails` AS od

INNER JOIN

`northwind-sample-database.dataset.Products` AS p

ON

od.ProductID = p.ProductID

INNER JOIN

`northwind-sample-database.dataset.Orders` AS o

ON

od.OrderID = o.OrderID;

## Productos más vendidos y costos totales

| **index** | **ProductID** | **ProductName** | **totalQuantity** | **costoTotal** |
| --- | --- | --- | --- | --- |
| 1 | 60 | Camembert Pierrot | 1577 | 53618 |
| 2 | 59 | Raclette Courdavault | 1496 | 82280 |
| 3 | 31 | Gorgonzola Telino | 1397 | 17462,5 |
| 4 | 56 | Gnocchi di nonna Alice | 1263 | 47994 |
| 5 | 16 | Pavlova | 1158 | 20207,1 |
| 6 | 75 | Rhönbräu Klosterbier | 1155 | 8951,25 |
| 7 | 24 | Guaraná Fantástica | 1125 | 5062,5 |
| 8 | 40 | Boston Crab Meat | 1103 | 20295,2 |
| 9 | 62 | Tarte au sucre | 1083 | 53391,9 |
| 10 | 2 | Chang | 1057 | 20083 |
| 11 | 71 | Fløtemysost | 1057 | 22725,5 |
| 12 | 21 | Sir Rodney's Scones | 1016 | 10160 |
| 13 | 41 | Jack's New England Clam Chowder | 981 | 9466,65 |
| 14 | 76 | Lakkalikööri | 981 | 17658 |
| 15 | 17 | Alice Mutton | 978 | 38142 |
| 16 | 55 | Pâté chinois | 903 | 21672 |
| 17 | 13 | Konbu | 891 | 5346 |
| 18 | 51 | Manjimup Dried Apples | 886 | 46958 |
| 19 | 35 | Steeleye Stout | 883 | 15894 |
| 20 | 1 | Chais | 828 | 14904 |
| 21 | 70 | Outback Lager | 817 | 12255 |
| 22 | 72 | Mozzarella di Giovanni | 806 | 28048,8 |
| 23 | 36 | Inlagd Sill | 805 | 15295 |
| 24 | 68 | Scottish Longbreads | 799 | 9987,5 |
| 25 | 39 | Chartreuse verte | 793 | 14274 |
| 26 | 77 | Original Frankfurter grüne Soße | 791 | 10283 |
| 27 | 7 | Uncle Bob's Organic Dried Pears | 763 | 22890 |
| 28 | 33 | Geitost | 755 | 1887,5 |
| 29 | 54 | Tourtière | 755 | 5624,75 |
| 30 | 26 | Gumbär Gummibärchen | 753 | 23516,19 |
| 31 | 29 | Thüringer Rostbratwurst | 746 | 92347,34 |
| 32 | 65 | Louisiana Fiery Hot Pepper Sauce | 745 | 33847585 |
| 33 | 10 | Ikura | 742 | 23002 |
| 34 | 64 | Wimmers gute Semmelknödel | 740 | 24605 |
| 35 | 19 | Teatime Chocolate Biscuits | 723 | 6651,6 |
| 36 | 53 | Perth Pasties | 722 | 23681,6 |
| 37 | 69 | Gudbrandsdalsost | 714 | 25704 |
| 38 | 11 | Queso Cabrales | 706 | 14826 |
| 39 | 42 | Singaporean Hokkien Fried Mee | 697 | 9758 |
| 40 | 28 | Rössle Sauerkraut | 640 | 29184 |
| 41 | 38 | Côte de Blaye | 623 | 164160,5 |
| 42 | 30 | Nord-Ost Matjeshering | 612 | 15844,68 |
| 43 | 61 | Sirop d'érable | 603 | 17185,5 |
| 44 | 44 | Gula Malacca | 601 | 11689,45 |
| 45 | 43 | Ipoh Coffee | 580 | 26680 |
| 46 | 23 | Tunnbröd | 580 | 5220 |
| 47 | 46 | Spegesild | 548 | 6576 |
| 48 | 18 | Carnarvon Tigers | 539 | 33687,5 |
| 49 | 58 | Escargots de Bourgogne | 534 | 7075,5 |
| 50 | 49 | Maxilaku | 520 | 10400 |
| 51 | 45 | Røgede sild | 508 | 4826 |
| 52 | 34 | Sasquatch Ale | 506 | 7084 |
| 53 | 52 | Filo Mix | 500 | 3500 |
| 54 | 47 | Zaanse koeken | 485 | 4607,5 |
| 55 | 4 | Chef Anton's Cajun Seasoning | 453 | 9966 |
| 56 | 63 | Vegie-spread | 445 | 19535,5 |
| 57 | 57 | Ravioli Angelo | 434 | 8463 |
| 58 | 14 | Tofu | 404 | 9393 |
| 59 | 8 | Northwoods Cranberry Sauce | 372 | 14880 |
| 60 | 27 | Schoggi Schokolade | 365 | 16023,5 |
| 61 | 22 | Gustaf's Knäckebröd | 348 | 7308 |
| 62 | 12 | Queso Manchego La Pastora | 344 | 13072 |
| 63 | 3 | Aniseed Syrup | 328 | 3280 |
| 64 | 25 | NuNuCa Nuß-Nougat-Creme | 318 | 4452 |
| 65 | 20 | Sir Rodney's Marmalade | 313 | 25353 |
| 66 | 6 | Grandma's Boysenberry Spread | 301 | 7525 |
| 67 | 5 | Chef Anton's Gumbo Mix | 298 | 6362,3 |
| 68 | 74 | Longlife Tofu | 297 | 2970 |
| 69 | 32 | Mascarpone Fabioli | 297 | 9504 |
| 70 | 73 | Röd Kaviar | 293 | 4395 |
| 71 | 66 | Louisiana Hot Spiced Okra | 239 | 4063 |
| 72 | 50 | Valkoinen suklaa | 235 | 3818,75 |
| 73 | 67 | Laughing Lumberjack Lager | 184 | 2576 |
| 74 | 48 | Chocolade | 138 | 1759,5 |
| 75 | 37 | Gravad lax | 125 | 3250 |
| 76 | 15 | Genen Shouyu | 122 | 1891 |
| 77 | 9 | Mishi Kobe Niku | 95 | 9215 |

SELECT

ROW\_NUMBER() OVER(ORDER BY SUM(OD.Quantity) DESC) AS index,

P.ProductID,

P.ProductName,

SUM(OD.Quantity) AS totalQuantity,

ROUND(SUM(OD.Quantity \* P.Price), 2) AS costoTotal

FROM `northwind-sample-database.dataset.OrderDetails` OD

JOIN `northwind-sample-database.dataset.Products` P

ON OD.ProductID = P.ProductID

JOIN `northwind-sample-database.dataset.Orders` O

ON OD.OrderID = O.OrderID

GROUP BY P.ProductID, P.ProductName

ORDER BY totalQuantity DESC;

## Productos sin ordenes (no hay)

SELECT

P.ProductName,

O.OrderDate

FROM `northwind-sample-database.dataset.Products` P

LEFT JOIN `northwind-sample-database.dataset.OrderDetails` OD

ON P.ProductID = OD.ProductID

LEFT JOIN `northwind-sample-database.dataset.Orders` O

ON OD.OrderID = O.OrderID

WHERE OD.OrderID IS NULL;

**Orders (830):**

**OrderID**, **CustomerID**, **EmployeeID**, OrderDate, **ShipperID**

## Hay 830 órdenes

## El desglose de ordenes por año es el de la siguiente tabla y hay 3 años

| **Anio** | **Total\_Ordenes** |
| --- | --- |
| 1996 | 152 |
| 1997 | 408 |
| 1998 | 270 |

SELECT

EXTRACT(YEAR FROM OrderDate) AS Anio,

COUNT(\*) AS Total\_Ordenes

FROM

`northwind-sample-database.dataset.Orders`

GROUP BY

Anio

ORDER BY

Anio;

## El desglose por mes es el de la tabla

| 1996-07 | 22 |
| --- | --- |
| 1996-08 | 25 |
| 1996-09 | 23 |
| 1996-10 | 26 |
| 1996-11 | 25 |
| 1996-12 | 31 |
| 1997-01 | 33 |
| 1997-02 | 29 |
| 1997-03 | 30 |
| 1997-04 | 31 |
| 1997-05 | 32 |
| 1997-06 | 30 |
| 1997-07 | 33 |
| 1997-08 | 33 |
| 1997-09 | 37 |
| 1997-10 | 38 |
| 1997-11 | 34 |
| 1997-12 | 48 |
| 1998-01 | 55 |
| 1998-02 | 54 |
| 1998-03 | 73 |
| 1998-04 | 74 |
| 1998-05 | 14 |

SELECT

FORMAT\_DATE('%Y-%m', OrderDate) AS AnioMes,

COUNT(\*) AS Total\_Ordenes

FROM

`northwind-sample-database.dataset.Orders`

GROUP BY

AnioMes

ORDER BY

AnioMes;

## El máximo día de órdenes fue 26/02/1998 con 6 órdenes

| **OrderDate** | **num\_orders** |
| --- | --- |
| 26/02/1998 | 6 |

SELECT

OrderDate,

COUNT(\*) AS num\_orders

FROM

`northwind-sample-database.dataset.Orders`

GROUP BY

OrderDate

ORDER BY

num\_orders DESC

LIMIT 1;

## Desglose de ordenes por empleado con su nombre

| **EmployeeID** | **FirstName** | **LastName** | **TotalPedidos** |
| --- | --- | --- | --- |
| 4 | Margaret | Peacock | 156 |
| 3 | Janet | Leverling | 127 |
| 1 | Nancy | Davolio | 123 |
| 8 | Laura | Callahan | 104 |
| 2 | Andrew | Fuller | 96 |
| 7 | Robert | King | 72 |
| 6 | Michael | Suyama | 67 |
| 9 | Anne | Dodsworth | 43 |
| 5 | Steven | Buchanan | 42 |

WITH EmpleadosConMasPedidos AS (

SELECT

EmployeeID,

COUNT(\*) AS TotalPedidos

FROM

`northwind-sample-database.dataset.Orders`

GROUP BY

EmployeeID

ORDER BY

TotalPedidos DESC

LIMIT 100

)

SELECT

e.EmployeeID,

e.FirstName,

e.LastName,

ep.TotalPedidos

FROM

`northwind-sample-database.dataset.Employees` AS e

INNER JOIN

EmpleadosConMasPedidos AS ep

ON

e.EmployeeID = ep.EmployeeID

ORDER BY

TotalPedidos DESC;

## Transportistas con más órdenes

| **ShipperID** | **ShipperName** | **TotalPedidos** |
| --- | --- | --- |
| 1 | Speedy Express | 249 |
| 3 | Federal Shipping | 255 |
| 2 | United Package | 326 |

WITH TransportistasConMasPedidos AS (

SELECT

ShipperID,

COUNT(\*) AS TotalPedidos

FROM

`northwind-sample-database.dataset.Orders`

GROUP BY

ShipperID

ORDER BY

TotalPedidos DESC

LIMIT 10

)

SELECT

s.ShipperID,

s.ShipperName,

tp.TotalPedidos

FROM

`northwind-sample-database.dataset.Shippers` AS s

INNER JOIN

TransportistasConMasPedidos AS tp

ON

s.ShipperID = tp.ShipperID

ORDER BY TotalPedidos;

* Desglose pedidos por mes por transportista

| 3 | Federal Shipping | 1996 | 7 | 9 |
| --- | --- | --- | --- | --- |
| 3 | Federal Shipping | 1996 | 8 | 8 |
| 3 | Federal Shipping | 1996 | 9 | 5 |
| 3 | Federal Shipping | 1996 | 10 | 10 |
| 3 | Federal Shipping | 1996 | 11 | 10 |
| 3 | Federal Shipping | 1996 | 12 | 16 |
| 3 | Federal Shipping | 1997 | 1 | 8 |
| 3 | Federal Shipping | 1997 | 2 | 7 |
| 3 | Federal Shipping | 1997 | 3 | 11 |
| 3 | Federal Shipping | 1997 | 4 | 10 |
| 3 | Federal Shipping | 1997 | 5 | 9 |
| 3 | Federal Shipping | 1997 | 6 | 9 |
| 3 | Federal Shipping | 1997 | 7 | 8 |
| 3 | Federal Shipping | 1997 | 8 | 14 |
| 3 | Federal Shipping | 1997 | 9 | 6 |
| 3 | Federal Shipping | 1997 | 10 | 12 |
| 3 | Federal Shipping | 1997 | 11 | 12 |
| 3 | Federal Shipping | 1997 | 12 | 16 |
| 3 | Federal Shipping | 1998 | 1 | 16 |
| 3 | Federal Shipping | 1998 | 2 | 15 |
| 3 | Federal Shipping | 1998 | 3 | 22 |
| 3 | Federal Shipping | 1998 | 4 | 22 |
| 1 | Speedy Express | 1996 | 7 | 7 |
| 1 | Speedy Express | 1996 | 8 | 9 |
| 1 | Speedy Express | 1996 | 9 | 3 |
| 1 | Speedy Express | 1996 | 10 | 6 |
| 1 | Speedy Express | 1996 | 11 | 6 |
| 1 | Speedy Express | 1996 | 12 | 7 |
| 1 | Speedy Express | 1997 | 1 | 14 |
| 1 | Speedy Express | 1997 | 2 | 7 |
| 1 | Speedy Express | 1997 | 3 | 5 |
| 1 | Speedy Express | 1997 | 4 | 10 |
| 1 | Speedy Express | 1997 | 5 | 9 |
| 1 | Speedy Express | 1997 | 6 | 10 |
| 1 | Speedy Express | 1997 | 7 | 12 |
| 1 | Speedy Express | 1997 | 8 | 10 |
| 1 | Speedy Express | 1997 | 9 | 14 |
| 1 | Speedy Express | 1997 | 10 | 13 |
| 1 | Speedy Express | 1997 | 11 | 13 |
| 1 | Speedy Express | 1997 | 12 | 16 |
| 1 | Speedy Express | 1998 | 1 | 17 |
| 1 | Speedy Express | 1998 | 2 | 18 |
| 1 | Speedy Express | 1998 | 3 | 19 |
| 1 | Speedy Express | 1998 | 4 | 20 |
| 1 | Speedy Express | 1998 | 5 | 4 |
| 2 | United Package | 1996 | 7 | 6 |
| 2 | United Package | 1996 | 8 | 8 |
| 2 | United Package | 1996 | 9 | 15 |
| 2 | United Package | 1996 | 10 | 10 |
| 2 | United Package | 1996 | 11 | 9 |
| 2 | United Package | 1996 | 12 | 8 |
| 2 | United Package | 1997 | 1 | 11 |
| 2 | United Package | 1997 | 2 | 15 |
| 2 | United Package | 1997 | 3 | 14 |
| 2 | United Package | 1997 | 4 | 11 |
| 2 | United Package | 1997 | 5 | 14 |
| 2 | United Package | 1997 | 6 | 11 |
| 2 | United Package | 1997 | 7 | 13 |
| 2 | United Package | 1997 | 8 | 9 |
| 2 | United Package | 1997 | 9 | 17 |
| 2 | United Package | 1997 | 10 | 13 |
| 2 | United Package | 1997 | 11 | 9 |
| 2 | United Package | 1997 | 12 | 16 |
| 2 | United Package | 1998 | 1 | 22 |
| 2 | United Package | 1998 | 2 | 21 |
| 2 | United Package | 1998 | 3 | 32 |
| 2 | United Package | 1998 | 4 | 32 |
| 2 | United Package | 1998 | 5 | 10 |

## Clientes con más órdenes, son 89 clientes

| **CustomerID** | **CustomerName** | **TotalPedidos** |
| --- | --- | --- |
| 71 | Save-a-lot Markets | 31 |
| 20 | Ernst Handel | 30 |
| 63 | QUICK-Stop | 28 |
| 24 | Folk och fä HB | 19 |
| 37 | Hungry Owl All-Night Grocers | 19 |
| 65 | Rattlesnake Canyon Grocery | 18 |
| 35 | HILARIÓN-Abastos | 18 |
| 5 | Berglunds snabbköp | 18 |
| 9 | Bon app' | 17 |
| 87 | Wartian Herkku | 15 |
| 44 | Lehmanns Marktstand | 15 |
| 25 | Frankenversand | 15 |
| 39 | Königlich Essen | 14 |
| 41 | La maison d'Asie | 14 |
| 46 | LILA-Supermercado | 14 |
| 10 | Bottom-Dollar Marketse | 14 |
| 34 | Hanari Carnes | 14 |
| 89 | White Clover Markets | 14 |
| 4 | Around the Horn | 13 |
| 62 | Queen Cozinha | 13 |
| 51 | Mère Paillarde | 13 |
| 66 | Reggiani Caseifici | 12 |
| 47 | LINO-Delicateses | 12 |
| 76 | Suprêmes délices | 12 |
| 83 | Vaffeljernet | 11 |
| 67 | Ricardo Adocicados | 11 |
| 7 | Blondel père et fils | 11 |
| 32 | Great Lakes Food Market | 11 |
| 49 | Magazzini Alimentari Riuniti | 10 |
| 55 | Old World Delicatessen | 10 |
| 59 | Piccolo und mehr | 10 |
| 84 | Victuailles en stock | 10 |
| 38 | Island Trading | 10 |
| 11 | B's Beverages | 10 |
| 86 | Die Wandernde Kuh | 10 |
| 30 | Godos Cocina Típica | 10 |
| 80 | Tortuga Restaurante | 10 |
| 68 | Richter Supermarkt | 10 |
| 88 | Wellington Importadora | 9 |
| 61 | Que Delícia | 9 |
| 72 | Seven Seas Imports | 9 |
| 56 | Ottilies Käseladen | 9 |
| 31 | Gourmet Lanchonetes | 9 |
| 75 | Split Rail Beer & Ale | 9 |
| 19 | Eastern Connection | 8 |
| 48 | Lonesome Pine Restaurant | 8 |
| 90 | Wilman Kala | 8 |
| 28 | Furia Bacalhau e Frutos do Mar | 8 |
| 14 | Chop-suey Chinese | 8 |
| 81 | Tradição Hipermercados | 7 |
| 3 | Antonio Moreno Taquería | 7 |
| 91 | Wolski | 7 |
| 6 | Blauer See Delikatessen | 7 |
| 50 | Maison Dewey | 7 |
| 73 | Simons bistro | 7 |
| 21 | Familia Arquibaldo | 7 |
| 27 | Franchi S.p.A. | 6 |
| 70 | Santé Gourmet | 6 |
| 1 | Alfreds Futterkiste | 6 |
| 12 | Cactus Comidas para llevar | 6 |
| 58 | Pericles Comidas clásicas | 6 |
| 60 | Princesa Isabel Vinhoss | 6 |
| 17 | Drachenblut Delikatessend | 6 |
| 29 | Galería del gastrónomo | 5 |
| 36 | Hungry Coyote Import Store | 5 |
| 52 | Morgenstern Gesundkost | 5 |
| 69 | Romero y tomillo | 5 |
| 23 | Folies gourmandes | 5 |
| 54 | Océano Atlántico Ltda. | 5 |
| 15 | Comércio Mineiro | 5 |
| 79 | Toms Spezialitäten | 5 |
| 64 | Rancho grande | 5 |
| 74 | Spécialités du monde | 4 |
| 40 | La corne d'abondance | 4 |
| 2 | Ana Trujillo Emparedados y helados | 4 |
| 77 | The Big Cheese | 4 |
| 18 | Du monde entier | 4 |
| 45 | Let's Stop N Shop | 4 |
| 85 | Vins et alcools Chevalier | 4 |
| 78 | The Cracker Box | 3 |
| 26 | France restauration | 3 |
| 16 | Consolidated Holdings | 3 |
| 53 | North/South | 3 |
| 42 | Laughing Bacchus Wine Cellars | 3 |
| 8 | Bólido Comidas preparadas | 3 |
| 82 | Trail's Head Gourmet Provisioners | 3 |
| 33 | GROSELLA-Restaurante | 2 |
| 43 | Lazy K Kountry Store | 2 |
| 13 | Centro comercial Moctezuma | 1 |

## Clientes sin órdenes

| **CustomerID** |
| --- |
| 22 |
| 57 |

SELECT

c.CustomerID

FROM

`northwind-sample-database.dataset.Customers` AS c

LEFT JOIN

`northwind-sample-database.dataset.Orders` AS o

ON

c.CustomerID = o.CustomerID

WHERE

c.CustomerID BETWEEN 1 AND 91

AND o.OrderID IS NULL

GROUP BY

c.CustomerID;

Products (77):

**ProductID,** ProductName, **SupplierID**, CategoryID, Unit, Price

## Productos distintos hay 77

| **index** | **ProductName** |
| --- | --- |
| 1 | Chais |
| 2 | Chang |
| 3 | Aniseed Syrup |
| 4 | Chef Anton's Cajun Seasoning |
| 5 | Chef Anton's Gumbo Mix |
| 6 | Grandma's Boysenberry Spread |
| 7 | Uncle Bob's Organic Dried Pears |
| 8 | Northwoods Cranberry Sauce |
| 9 | Mishi Kobe Niku |
| 10 | Ikura |
| 11 | Queso Cabrales |
| 12 | Queso Manchego La Pastora |
| 13 | Konbu |
| 14 | Tofu |
| 15 | Genen Shouyu |
| 16 | Pavlova |
| 17 | Alice Mutton |
| 18 | Carnarvon Tigers |
| 19 | Teatime Chocolate Biscuits |
| 20 | Sir Rodney's Marmalade |
| 21 | Sir Rodney's Scones |
| 22 | Gustaf's Knäckebröd |
| 23 | Tunnbröd |
| 24 | Guaraná Fantástica |
| 25 | NuNuCa Nuß-Nougat-Creme |
| 26 | Gumbär Gummibärchen |
| 27 | Schoggi Schokolade |
| 28 | Rössle Sauerkraut |
| 29 | Thüringer Rostbratwurst |
| 30 | Nord-Ost Matjeshering |
| 31 | Gorgonzola Telino |
| 32 | Mascarpone Fabioli |
| 33 | Geitost |
| 34 | Sasquatch Ale |
| 35 | Steeleye Stout |
| 36 | Inlagd Sill |
| 37 | Gravad lax |
| 38 | Côte de Blaye |
| 39 | Chartreuse verte |
| 40 | Boston Crab Meat |
| 41 | Jack's New England Clam Chowder |
| 42 | Singaporean Hokkien Fried Mee |
| 43 | Ipoh Coffee |
| 44 | Gula Malacca |
| 45 | Røgede sild |
| 46 | Spegesild |
| 47 | Zaanse koeken |
| 48 | Chocolade |
| 49 | Maxilaku |
| 50 | Valkoinen suklaa |
| 51 | Manjimup Dried Apples |
| 52 | Filo Mix |
| 53 | Perth Pasties |
| 54 | Tourtière |
| 55 | Pâté chinois |
| 56 | Gnocchi di nonna Alice |
| 57 | Ravioli Angelo |
| 58 | Escargots de Bourgogne |
| 59 | Raclette Courdavault |
| 60 | Camembert Pierrot |
| 61 | Sirop d'érable |
| 62 | Tarte au sucre |
| 63 | Vegie-spread |
| 64 | Wimmers gute Semmelknödel |
| 65 | Louisiana Fiery Hot Pepper Sauce |
| 66 | Louisiana Hot Spiced Okra |
| 67 | Laughing Lumberjack Lager |
| 68 | Scottish Longbreads |
| 69 | Gudbrandsdalsost |
| 70 | Outback Lager |
| 71 | Fløtemysost |
| 72 | Mozzarella di Giovanni |
| 73 | Röd Kaviar |
| 74 | Longlife Tofu |
| 75 | Rhönbräu Klosterbier |
| 76 | Lakkalikööri |
| 77 | Original Frankfurter grüne Soße |

SELECT

ROW\_NUMBER() OVER() AS index,

ProductName

FROM `northwind-sample-database.dataset.Products`;

SELECT COUNT(DISTINCT ProductName) AS total\_distinto

FROM `northwind-sample-database.dataset.Products`;

## Desglose Producto y categoria

| **ProductName** | **CategoryName** |
| --- | --- |
| Chais | Beverages |
| Chang | Beverages |
| Chartreuse verte | Beverages |
| Côte de Blaye | Beverages |
| Guaraná Fantástica | Beverages |
| Ipoh Coffee | Beverages |
| Lakkalikööri | Beverages |
| Laughing Lumberjack Lager | Beverages |
| Outback Lager | Beverages |
| Rhönbräu Klosterbier | Beverages |
| Sasquatch Ale | Beverages |
| Steeleye Stout | Beverages |
| Aniseed Syrup | Condiments |
| Chef Anton's Cajun Seasoning | Condiments |
| Chef Anton's Gumbo Mix | Condiments |
| Genen Shouyu | Condiments |
| Grandma's Boysenberry Spread | Condiments |
| Gula Malacca | Condiments |
| Louisiana Fiery Hot Pepper Sauce | Condiments |
| Louisiana Hot Spiced Okra | Condiments |
| Northwoods Cranberry Sauce | Condiments |
| Original Frankfurter grüne Soße | Condiments |
| Sirop d'érable | Condiments |
| Vegie-spread | Condiments |
| Chocolade | Confections |
| Gumbär Gummibärchen | Confections |
| Maxilaku | Confections |
| NuNuCa Nuß-Nougat-Creme | Confections |
| Pavlova | Confections |
| Schoggi Schokolade | Confections |
| Scottish Longbreads | Confections |
| Sir Rodney's Marmalade | Confections |
| Sir Rodney's Scones | Confections |
| Tarte au sucre | Confections |
| Teatime Chocolate Biscuits | Confections |
| Valkoinen suklaa | Confections |
| Zaanse koeken | Confections |
| Camembert Pierrot | Dairy Products |
| Fløtemysost | Dairy Products |
| Geitost | Dairy Products |
| Gorgonzola Telino | Dairy Products |
| Gudbrandsdalsost | Dairy Products |
| Mascarpone Fabioli | Dairy Products |
| Mozzarella di Giovanni | Dairy Products |
| Queso Cabrales | Dairy Products |
| Queso Manchego La Pastora | Dairy Products |
| Raclette Courdavault | Dairy Products |
| Filo Mix | Grains/Cereals |
| Gnocchi di nonna Alice | Grains/Cereals |
| Gustaf's Knäckebröd | Grains/Cereals |
| Ravioli Angelo | Grains/Cereals |
| Singaporean Hokkien Fried Mee | Grains/Cereals |
| Tunnbröd | Grains/Cereals |
| Wimmers gute Semmelknödel | Grains/Cereals |
| Alice Mutton | Meat/Poultry |
| Mishi Kobe Niku | Meat/Poultry |
| Perth Pasties | Meat/Poultry |
| Pâté chinois | Meat/Poultry |
| Thüringer Rostbratwurst | Meat/Poultry |
| Tourtière | Meat/Poultry |
| Longlife Tofu | Produce |
| Manjimup Dried Apples | Produce |
| Rössle Sauerkraut | Produce |
| Tofu | Produce |
| Uncle Bob's Organic Dried Pears | Produce |
| Boston Crab Meat | Seafood |
| Carnarvon Tigers | Seafood |
| Escargots de Bourgogne | Seafood |
| Gravad lax | Seafood |
| Ikura | Seafood |
| Inlagd Sill | Seafood |
| Jack's New England Clam Chowder | Seafood |
| Konbu | Seafood |
| Nord-Ost Matjeshering | Seafood |
| Röd Kaviar | Seafood |
| Røgede sild | Seafood |
| Spegesild | Seafood |

## Totales de categorias

| Confections | 13 | 327,08 |
| --- | --- | --- |
| Beverages | 12 | 455,75 |
| Condiments | 12 | 45688,7 |
| Seafood | 12 | 248,19 |
| Dairy Products | 10 | 287,3 |
| Grains/Cereals | 7 | 141,75 |
| Meat/Poultry | 6 | 324,04 |
| Produce | 5 | 161,85 |

SELECT

C.CategoryName,

COUNT(P.ProductID) AS totalProducts,

ROUND(SUM(P.Price), 2) AS totalPrice

FROM `northwind-sample-database.dataset.Products` P

JOIN `northwind-sample-database.dataset.Categories` C

ON P.CategoryID = C.CategoryID

GROUP BY C.CategoryName

ORDER BY totalProducts DESC;

Shippers (3):

**ShipperID**, ShipperName, Phone

## Hay 3 Transportistas

| **index** | **ShipperName** |
| --- | --- |
| 1 | Speedy Express |
| 2 | United Package |
| 3 | Federal Shipping |

SELECT

ROW\_NUMBER() OVER() AS index,

ShipperName

FROM `northwind-sample-database.dataset.Shippers`;

SELECT COUNT(DISTINCT ShipperName) AS total\_distinto

FROM `northwind-sample-database.dataset.Shippers`;

Suppliers (9):

**SupplierID**, SupplierName, ContactName, Address, City, PostalCode, Country, Phone

## Hay 29 provedores

| **index** | **SupplierName** |
| --- | --- |
| 1 | Exotic Liquid |
| 2 | New Orleans Cajun Delights |
| 3 | Grandma Kelly's Homestead |
| 4 | Tokyo Traders |
| 5 | Cooperativa de Quesos 'Las Cabras' |
| 6 | Mayumi's |
| 7 | Pavlova, Ltd. |
| 8 | Specialty Biscuits, Ltd. |
| 9 | PB Knäckebröd AB |
| 10 | Refrescos Americanas LTDA |
| 11 | Heli Süßwaren GmbH & Co. KG |
| 12 | Plutzer Lebensmittelgroßmärkte AG |
| 13 | Nord-Ost-Fisch Handelsgesellschaft mbH |
| 14 | Formaggi Fortini s.r.l. |
| 15 | Norske Meierier |
| 16 | Bigfoot Breweries |
| 17 | Svensk Sjöföda AB |
| 18 | Aux joyeux ecclésiastiques |
| 19 | New England Seafood Cannery |
| 20 | Leka Trading |
| 21 | Lyngbysild |
| 22 | Zaanse Snoepfabriek |
| 23 | Karkki Oy |
| 24 | G'day, Mate |
| 25 | Ma Maison |
| 26 | Pasta Buttini s.r.l. |
| 27 | Escargots Nouveaux |
| 28 | Gai pâturage |
| 29 | Forêts d'érables |

SELECT

ROW\_NUMBER() OVER() AS index,

SupplierName

FROM

`northwind-sample-database.dataset.Suppliers`

## Hay 16 paises de Provedores

| **index** | **Country** |
| --- | --- |
| 1 | UK |
| 2 | USA |
| 3 | Japan |
| 4 | Spain |
| 5 | Australia |
| 6 | Sweden |
| 7 | Brazil |
| 8 | Germany |
| 9 | Italy |
| 10 | Norway |
| 11 | France |
| 12 | Singapore |
| 13 | Denmark |
| 14 | Netherlands |
| 15 | Finland |
| 16 | Canada |

SELECT

ROW\_NUMBER() OVER() AS index,

Country

FROM (

SELECT DISTINCT Country

FROM `northwind-sample-database.dataset.Suppliers`

) AS distinct\_countries;

## Desglose paiuses y ciudades de provedores

| **Country** | **numero\_ciudades** | **ciudades\_concatenadas** |
| --- | --- | --- |
| UK | 2 | Londona, Manchester |
| USA | 4 | New Orleans, Ann Arbor, Bend, Boston |
| Japan | 2 | Tokyo, Osaka |
| Spain | 1 | Oviedo |
| Australia | 2 | Melbourne, Sydney |
| Sweden | 2 | Göteborg, Stockholm |
| Brazil | 1 | São Paulo |
| Germany | 3 | Berlin, Frankfurt, Cuxhaven |
| Italy | 2 | Ravenna, Salerno |
| Norway | 1 | Sandvika |
| France | 3 | Paris, Montceau, Annecy |
| Singapore | 1 | Singapore |
| Denmark | 1 | Lyngby |
| Netherlands | 1 | Zaandam |
| Finland | 1 | Lappeenranta |
| Canada | 2 | Montréal, Ste-Hyacinthe |

SELECT

Country,

COUNT(DISTINCT City) AS numero\_ciudades,

STRING\_AGG(DISTINCT City, ', ') AS ciudades\_concatenadas

FROM

`northwind-sample-database.dataset.Suppliers`

GROUP BY

Country;

## Desglose proveedores y productos

| **SupplierName** | **ProductName** |
| --- | --- |
| Aux joyeux ecclésiastiques | Chartreuse verte |
| Aux joyeux ecclésiastiques | Côte de Blaye |
| Bigfoot Breweries | Laughing Lumberjack Lager |
| Bigfoot Breweries | Sasquatch Ale |
| Bigfoot Breweries | Steeleye Stout |
| Cooperativa de Quesos 'Las Cabras' | Queso Cabrales |
| Cooperativa de Quesos 'Las Cabras' | Queso Manchego La Pastora |
| Escargots Nouveaux | Escargots de Bourgogne |
| Exotic Liquid | Aniseed Syrup |
| Exotic Liquid | Chais |
| Exotic Liquid | Chang |
| Formaggi Fortini s.r.l. | Gorgonzola Telino |
| Formaggi Fortini s.r.l. | Mascarpone Fabioli |
| Formaggi Fortini s.r.l. | Mozzarella di Giovanni |
| Forêts d'érables | Sirop d'érable |
| Forêts d'érables | Tarte au sucre |
| G'day, Mate | Filo Mix |
| G'day, Mate | Manjimup Dried Apples |
| G'day, Mate | Perth Pasties |
| Gai pâturage | Camembert Pierrot |
| Gai pâturage | Raclette Courdavault |
| Grandma Kelly's Homestead | Grandma's Boysenberry Spread |
| Grandma Kelly's Homestead | Northwoods Cranberry Sauce |
| Grandma Kelly's Homestead | Uncle Bob's Organic Dried Pears |
| Heli Süßwaren GmbH & Co. KG | Gumbär Gummibärchen |
| Heli Süßwaren GmbH & Co. KG | NuNuCa Nuß-Nougat-Creme |
| Heli Süßwaren GmbH & Co. KG | Schoggi Schokolade |
| Karkki Oy | Lakkalikööri |
| Karkki Oy | Maxilaku |
| Karkki Oy | Valkoinen suklaa |
| Leka Trading | Gula Malacca |
| Leka Trading | Ipoh Coffee |
| Leka Trading | Singaporean Hokkien Fried Mee |
| Lyngbysild | Røgede sild |
| Lyngbysild | Spegesild |
| Ma Maison | Pâté chinois |
| Ma Maison | Tourtière |
| Mayumi's | Genen Shouyu |
| Mayumi's | Konbu |
| Mayumi's | Tofu |
| New England Seafood Cannery | Boston Crab Meat |
| New England Seafood Cannery | Jack's New England Clam Chowder |
| New Orleans Cajun Delights | Chef Anton's Cajun Seasoning |
| New Orleans Cajun Delights | Chef Anton's Gumbo Mix |
| New Orleans Cajun Delights | Louisiana Fiery Hot Pepper Sauce |
| New Orleans Cajun Delights | Louisiana Hot Spiced Okra |
| Nord-Ost-Fisch Handelsgesellschaft mbH | Nord-Ost Matjeshering |
| Norske Meierier | Fløtemysost |
| Norske Meierier | Geitost |
| Norske Meierier | Gudbrandsdalsost |
| PB Knäckebröd AB | Gustaf's Knäckebröd |
| PB Knäckebröd AB | Tunnbröd |
| Pasta Buttini s.r.l. | Gnocchi di nonna Alice |
| Pasta Buttini s.r.l. | Ravioli Angelo |
| Pavlova, Ltd. | Alice Mutton |
| Pavlova, Ltd. | Carnarvon Tigers |
| Pavlova, Ltd. | Outback Lager |
| Pavlova, Ltd. | Pavlova |
| Pavlova, Ltd. | Vegie-spread |
| Plutzer Lebensmittelgroßmärkte AG | Original Frankfurter grüne Soße |
| Plutzer Lebensmittelgroßmärkte AG | Rhönbräu Klosterbier |
| Plutzer Lebensmittelgroßmärkte AG | Rössle Sauerkraut |
| Plutzer Lebensmittelgroßmärkte AG | Thüringer Rostbratwurst |
| Plutzer Lebensmittelgroßmärkte AG | Wimmers gute Semmelknödel |
| Refrescos Americanas LTDA | Guaraná Fantástica |
| Specialty Biscuits, Ltd. | Scottish Longbreads |
| Specialty Biscuits, Ltd. | Sir Rodney's Marmalade |
| Specialty Biscuits, Ltd. | Sir Rodney's Scones |
| Specialty Biscuits, Ltd. | Teatime Chocolate Biscuits |
| Svensk Sjöföda AB | Gravad lax |
| Svensk Sjöföda AB | Inlagd Sill |
| Svensk Sjöföda AB | Röd Kaviar |
| Tokyo Traders | Ikura |
| Tokyo Traders | Longlife Tofu |
| Tokyo Traders | Mishi Kobe Niku |
| Zaanse Snoepfabriek | Chocolade |
| Zaanse Snoepfabriek | Zaanse koeken |

## Desglose proveedores y productos concatenados

| **SupplierName** | **ProductNames** |
| --- | --- |
| Exotic Liquid | Chais, Chang, Aniseed Syrup |
| New Orleans Cajun Delights | Chef Anton's Cajun Seasoning, Chef Anton's Gumbo Mix, Louisiana Fiery Hot Pepper Sauce, Louisiana Hot Spiced Okra |
| Grandma Kelly's Homestead | Grandma's Boysenberry Spread, Uncle Bob's Organic Dried Pears, Northwoods Cranberry Sauce |
| Tokyo Traders | Mishi Kobe Niku, Ikura, Longlife Tofu |
| Cooperativa de Quesos 'Las Cabras' | Queso Cabrales, Queso Manchego La Pastora |
| Mayumi's | Konbu, Tofu, Genen Shouyu |
| Pavlova, Ltd. | Pavlova, Alice Mutton, Carnarvon Tigers, Vegie-spread, Outback Lager |
| Specialty Biscuits, Ltd. | Teatime Chocolate Biscuits, Sir Rodney's Marmalade, Sir Rodney's Scones, Scottish Longbreads |
| PB Knäckebröd AB | Gustaf's Knäckebröd, Tunnbröd |
| Refrescos Americanas LTDA | Guaraná Fantástica |
| Heli Süßwaren GmbH & Co. KG | NuNuCa Nuß-Nougat-Creme, Gumbär Gummibärchen, Schoggi Schokolade |
| Plutzer Lebensmittelgroßmärkte AG | Rössle Sauerkraut, Thüringer Rostbratwurst, Wimmers gute Semmelknödel, Rhönbräu Klosterbier, Original Frankfurter grüne Soße |
| Nord-Ost-Fisch Handelsgesellschaft mbH | Nord-Ost Matjeshering |
| Formaggi Fortini s.r.l. | Gorgonzola Telino, Mascarpone Fabioli, Mozzarella di Giovanni |
| Norske Meierier | Geitost, Gudbrandsdalsost, Fløtemysost |
| Bigfoot Breweries | Sasquatch Ale, Steeleye Stout, Laughing Lumberjack Lager |
| Svensk Sjöföda AB | Inlagd Sill, Gravad lax, Röd Kaviar |
| Aux joyeux ecclésiastiques | Côte de Blaye, Chartreuse verte |
| New England Seafood Cannery | Boston Crab Meat, Jack's New England Clam Chowder |
| Leka Trading | Singaporean Hokkien Fried Mee, Ipoh Coffee, Gula Malacca |
| Lyngbysild | Røgede sild, Spegesild |
| Zaanse Snoepfabriek | Zaanse koeken, Chocolade |
| Karkki Oy | Maxilaku, Valkoinen suklaa, Lakkalikööri |
| G'day, Mate | Manjimup Dried Apples, Filo Mix, Perth Pasties |
| Ma Maison | Tourtière, Pâté chinois |
| Pasta Buttini s.r.l. | Gnocchi di nonna Alice, Ravioli Angelo |
| Escargots Nouveaux | Escargots de Bourgogne |
| Gai pâturage | Raclette Courdavault, Camembert Pierrot |
| Forêts d'érables | Sirop d'érable, Tarte au sucre |

SELECT

s.SupplierName,

STRING\_AGG(p.ProductName, ', ') AS ProductNames

FROM

`northwind-sample-database.dataset.Suppliers` AS s

JOIN

`northwind-sample-database.dataset.Products` AS p

ON

s.SupplierID = p.SupplierID

GROUP BY

s.SupplierName