

Ejercicios con una tabla

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1. **Revisa las tablas Customers (clientes), Employees (empleados) y Orders (pedidos). Renombra las columnas resultantes.**

SELECT

CustomerID **AS** IDCliente,

CustomerName **AS** NombreCliente

ContactName **AS** NombreContacto,,

Address **AS** Direccion,

City **AS** cCiudad,

Country **AS** Pais,

PostalCode **AS**CodigoPostal

FROM Customers;

IDCliente	NombreCliente	NombreContacto	Direccion	cCiudad	Pais	CodigoPostal
1	Alfreds Futterkiste	Maria Anders	Obere Str. 57	Berlin	Germany	12209
2	Ana Trujillo Emparedados y helados	Ana Trujillo	Avda. de la Constitución 2222	México D.F.	Mexico	05021
3	Antonio Moreno Taquería	Antonio Moreno	Mataderos 2312	México D.F.	Mexico	05023
4	Around the Horn	Thomas Hardy	120 Hanover Sq.	London	UK	WA1 1DP
5	Berglunds snabbköp	Christina Berglund	Berguvsvägen 8	Luleå	Sweden	S-958 22
6	Blauer See Delikatessen	Hanna Moos	Forsterstr. 57	Mannheim	Germany	68306
7	Blondel père et fils	Frédérique Citeaux	24, place Kléber	Strasbourg	France	67000

SELECT

EmployeeID **AS** IDEmpleado,

LastName **AS** Apellido,

FirstName **AS** Nombre,

BirthDate **AS** Cumple,

Photo **AS** Foto,

Notes **AS** Historial

FROM Employees;

IDEmpleado	Apellido	Nombre	Cumple	Foto	Historial
1	Davolio	Nancy	1968-12-08	EmpID1.pic	Education includes a BA in psychology from Colorado State University. She also completed (The Art of the Cold Call). Nancy is a member of 'Toastmasters International'.
2	Fuller	Andrew	1952-02-19	EmpID2.pic	Andrew received his BTS commercial and a Ph.D. in international marketing from the University of Dallas. He is fluent in French and Italian and reads German. He joined the company as a sales representative, was promoted to sales manager and was then named vice president of sales. Andrew is a member of the Sales Management Roundtable, the Seattle Chamber of Commerce, and the Pacific Rim Importers Association.
3	Leverling	Janet	1963-08-30	EmpID3.pic	Janet has a BS degree in chemistry from Boston College). She has also completed a certificate program in food retailing management. Janet was hired as a sales associate and was promoted to sales representative.

SELECT

OrderID **As** OrdenId,

CustomerID **As** ClienteID,

EmployeeID **As** EmpleadoID,

OrderDate **As** FechaOrden,

ShipperID **As** ChoferID

FROM Orders;

OrdenId	ClienteID	EmpleadoID	FechaOrden	ChoferID
10248	90	5	1996-07-04	3
10249	81	6	1996-07-05	1
10250	34	4	1996-07-08	2
10251	84	3	1996-07-08	1
10252	76	4	1996-07-09	2
10253	34	3	1996-07-10	2
10254	14	5	1996-07-11	2
10255	68	9	1996-07-12	3

2. ¿Cuántos clientes hay registrados? Renombra la columna resultante

```
SELECT CustomerID AS IDCliente
```

```
FROM Customers;
```

Hay 91 clientes registrados

3. ¿Cuántos pedidos se han registrado?

```
SELECT OrderID AS IDOrden
```

```
FROM Orders;
```

Se han registrado 830 ordenes

4. ¿Qué clientes viven en Londres y su nombre (CustomerName) empieza por A?

```
SELECT CustomerName COUNT(CustomerID) AS "Clientes en Londres"
```

```
FROM Customers
```

```
WHERE city = "London" AND CustomerName LIKE "a%";
```

Hay 1 cliente

5. ¿Cuántos clientes hay que son de Londres?

```
SELECT COUNT(CustomerID) AS "Clientes en Londres"
```

```
FROM Customers
```

```
WHERE city = "London";
```

6. ¿Cuántos clientes hay en cada ciudad?

```
SELECT city, COUNT(CustomerID) AS "Clientes en Ciudades"  
FROM Customers  
GROUP BY city;
```

city	Clientes en Ciudades
Aachen	1
Albuquerque	1
Anchorage	1
Århus	1
Barcelona	1
Barquisimeto	1
Bergamo	1
Berlin	1
Bern	1
Boise	1
Bräcke	1
Brandenburg	1
Bruxelles	1
Buenos Aires	3
Butte	1
Campinas	1
Caracas	1
Charleroi	1
Cork	1
Cowes	1
Cunewalde	1

Elgin	1
Eugene	1
Frankfurt a.M.	1
Genève	1
Graz	1
Helsinki	1
I. de Margarita	1
Kirkland	1
Köln	1
København	1
Lander	1
Leipzig	1
Lille	1
Lisboa	2
London	6
Luleå	1
Lyon	1
Madrid	3
Mannheim	1
Marseille	1
México D.F.	5
Montréal	1
München	1
Münster	1
Nantes	2

Oulu	1
Paris	2
Portland	2
Reggio Emilia	1
Reims	1
Resende	1
Rio de Janeiro	3
Salzburg	1
San Cristóbal	1
San Francisco	1
São Paulo	4
Seattle	1
Sevilla	1
Stavern	1
Strasbourg	1
Stuttgart	1
Torino	1
Toulouse	1
Tsawassen	1
Vancouver	1
Versailles	1
Walla	1
Walla Walla	1

7. ¿Cuántos empleados nacieron después de 1 de Junio del 1965?

```
SELECT COUNT(BirthDate)
FROM Employees
WHERE BirthDate > '1965-06-01'
```

Existen 2 empleados

8. Produce un informe que diga «El empleado N nació el N», siendo N, nombre (FirstName y Last Name) y día de nacimiento (BirthDate)

```
SELECT CONCAT_WS(" ", FirstName , LastName) AS "El Empleado: ", BirthDate AS
"Nacio en:"
FROM Employees;
```

El Empleado:	Nacio en:
Nancy Davolio	1968-12-08
Andrew Fuller	1952-02-19
Janet Leverling	1963-08-30
Margaret Peacock	1958-09-19
Steven Buchanan	1955-03-04
Michael Suyama	1963-07-02
Robert King	1960-05-29
Laura Callahan	1958-01-09
Anne Dodsworth	1969-07-02

9. Produce el informe anterior, pero sólo para los empleados con id 8, 7, 3 y 10

```
SELECT EmployeeID, CONCAT_WS(" ", FirstName , LastName) AS "El Empleado: ",  
BirthDate AS "Nacio en:"  
FROM Employees  
WHERE EmployeeID IN (8, 7, 3, 10);
```

EmployeeID	El Empleado:	Nacio en:
3	Janet Leverling	1963-08-30
7	Robert King	1960-05-29
8	Laura Callahan	1958-01-09

10. Lista los países que tengan más de 5 clientes, ordenados por el nombre de país

```
SELECT country AS "Pais", COUNT(CustomerID) AS "Mas de 5 Clientes"  
FROM Customers  
GROUP BY country  
HAVING COUNT(CustomerID) > 5  
ORDER BY country;
```

Pais	Mas de 5 Clientes
Brazil	9
France	11
Germany	11
UK	7
USA	13