

# Consultas simples y multi-tabla con solución de la base de datos Northwind

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# Consultas simples

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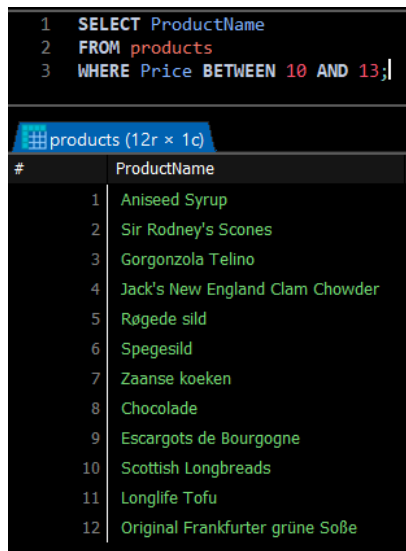
## 1. Precio

**Enunciado:** Dame el nombre de los productos que cuesten entre 10 y 13 dólares.

**Solución:**

```
SELECT ProductName
FROM products
WHERE Price BETWEEN 10 AND 13;
```

**Vista SQL:**



The screenshot shows a SQL query editor with the following code:

```
1 SELECT ProductName
2 FROM products
3 WHERE Price BETWEEN 10 AND 13;
```

Below the query, the results are displayed in a table titled "products (12r x 1c)".

#	ProductName
1	Aniseed Syrup
2	Sir Rodney's Scones
3	Gorgonzola Telino
4	Jack's New England Clam Chowder
5	Røgede sild
6	Spegesild
7	Zaanse koeken
8	Chocolade
9	Escargots de Bourgogne
10	Scottish Longbreads
11	Longlife Tofu
12	Original Frankfurter grüne Soße

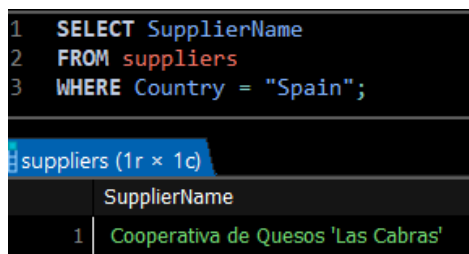
## 2. Proveedora

**Enunciado:** Busca el nombre de los proveedores que el país sea Spain.

**Solución:**

```
SELECT SupplierName
FROM suppliers
WHERE Country = "Spain";
```

**Vista SQL:**



The screenshot shows a SQL query editor with the following code:

```
1 SELECT SupplierName
2 FROM suppliers
3 WHERE Country = "Spain";
```

Below the query, the results are displayed in a table titled "suppliers (1r x 1c)".

	SupplierName
1	Cooperativa de Quesos 'Las Cabras'

### 3. Shipper Phone

**Enunciado:** Devuelve el ShipperName del cual el teléfono acabe en 31.

**Solución:**

```
SELECT ShipperName
FROM shippers
WHERE Phone LIKE '%31';
```

**Vista SQL:**

```
1 SELECT ShipperName
2 FROM shippers
3 WHERE Phone LIKE '%31';
```

# shippers (2r × 1c)

	ShipperName
1	Speedy Express
2	Federal Shipping

### 4. Conv()

**Enunciado:** Convertir el ID de un pedido de base 10 (decimal) a base 16 (hexadecimal).

**Solución:**

```
SELECT OrderID, CONV(OrderID, 10, 16) AS OrderID_Hex
FROM Orders
LIMIT 10;
```

**Vista SQL:**

```
1 SELECT OrderID, CONV(OrderID, 10, 16) AS OrderID_Hex
2 FROM Orders
3 LIMIT 10;
```

# Orders (10r × 2c)

#	OrderID	OrderID_Hex
1	10.258	2812
2	10.270	281E
3	10.275	2823
4	10.285	282D
5	10.292	2834
6	10.293	2835
7	10.304	2840
8	10.306	2842
9	10.311	2847
10	10.314	284A

## 5. CONCAT\_WS()

**Enunciado:** Une el nombre y apellido de los empleados con un espacio entre ellos.

**Solución:**

```
SELECT EmployeeID, CONCAT_WS(' ', FirstName, LastName) AS FullName
FROM Employees;
```

**Vista SQL:**

```
1 SELECT EmployeeID, CONCAT_WS(' ', FirstName, LastName) AS FullName
2 FROM Employees;
3
```

#	EmployeeID	FullName
1	1	Nancy Davolio
2	2	Andrew Fuller
3	3	Janet Leverling
4	4	Margaret Peacock
5	5	Steven Buchanan
6	6	Michael Suyama
7	7	Robert King
8	8	Laura Callahan
9	9	Anne Dodsworth
10	10	Adam West

## 6. CAST()

**Enunciado:** Convierte el campo Freight (costo de envío) de la tabla Orders en un número entero.

**Solución:**

```
SELECT OrderID, CustomerID, Freight, CAST(Freight AS SIGNED) AS FreightInt
FROM Orders
LIMIT 10;
```

**Vista SQL:**

```
1 SELECT OrderID, CustomerID, Freight, CAST(Freight AS SIGNED) AS FreightInt
2 FROM Orders
3 LIMIT 10;
```

#	EmployeeID	FullName
1	1	Nancy Davolio
2	2	Andrew Fuller
3	3	Janet Leverling
4	4	Margaret Peacock
5	5	Steven Buchanan
6	6	Michael Suyama
7	7	Robert King
8	8	Laura Callahan
9	9	Anne Dodsworth
10	10	Adam West

# Consultas multitabla

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## 1. Customer y Product

**Enunciado:** Dame el nombre de los productos que han comprado los customers que empiecen por la letra B.

**Solución:**

```
SELECT p.ProductName
FROM customers c
INNER JOIN orders o ON c.CustomerID = o.CustomerID
    INNER JOIN orderdetails od ON o.OrderID = od.OrderID
        INNER JOIN products p ON od.ProductID = p.ProductID
    WHERE c.CustomerName LIKE 'B%';
```

**Vista SQL:**

```
1 SELECT p.ProductName
2 FROM customers c
3 INNER JOIN orders o ON c.CustomerID = o.CustomerID
4     INNER JOIN orderdetails od ON o.OrderID = od.OrderID
5     INNER JOIN products p ON od.ProductID = p.ProductID
6     WHERE c.CustomerName LIKE 'B%';
```

customers (46r x 1c)

	ProductName
1	Gula Malacca
2	Raclette Courdavault
3	Vegie-spread
4	Röd Kaviar
5	Guaraná Fantástica