

```
MySQL 8.0 Command Line Cli  X + v
mysql> SELECT SUM(PrecioTotal) AS IngresosTotales
-> FROM Ventas;
+-----+
| IngresosTotales |
+-----+
|          319.92 |
+-----+
1 row in set (0.00 sec)

mysql> SELECT p.Nombre AS NombreProducto, SUM(v.Cantidad) AS TotalVendido
-> FROM Ventas v
-> JOIN Productos p ON v.ProductoID = p.ProductoID
-> GROUP BY p.Nombre
-> ORDER BY TotalVendido DESC
-> LIMIT 5;
+-----+-----+
| NombreProducto | TotalVendido |
+-----+-----+
| Producto 5    |            3 |
| Producto 1    |            2 |
| Producto 2    |            2 |
| Producto 3    |            1 |
+-----+-----+
4 rows in set (0.00 sec)

mysql> SELECT c.Nombre, c.Apellido, COUNT(*) AS TotalCompras
-> FROM Ventas v
-> JOIN Clientes c ON v.ClienteID = c.ClienteID
-> GROUP BY v.ClienteID
-> ORDER BY TotalCompras DESC
```

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-> GROUP BY p.Nombre
-> ORDER BY TotalVendido DESC
-> LIMIT 5;
+-----+-----+
| NombreProducto | TotalVendido |
+-----+-----+
| Producto 5    |            3 |
| Producto 1    |            2 |
| Producto 2    |            2 |
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+-----+-----+
4 rows in set (0.00 sec)

mysql> SELECT c.Nombre, c.Apellido, COUNT(*) AS TotalCompras
-> FROM Ventas v
-> JOIN Clientes c ON v.ClienteID = c.ClienteID
-> GROUP BY v.ClienteID
-> ORDER BY TotalCompras DESC
-> LIMIT 5;
+-----+-----+-----+
| Nombre | Apellido | TotalCompras |
+-----+-----+-----+
| Juan   | Perez   |            1 |
| Maria  | Gomez   |            1 |
| Carlos | Lopez   |            1 |
| Ana    | Martinez|            1 |
+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> |
```

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MySQL 8.0 Command Line Cli  ×  +  v

mysql> INSERT INTO Ventas (ClienteID, ProductoID, FechaVenta, Cantidad, PrecioTotal)
-> VALUES
-> (1, 1, '2024-05-13', 2, 39.98),
-> (2, 3, '2024-05-13', 1, 39.99),
-> (3, 5, '2024-05-13', 3, 179.97);
Query OK, 3 rows affected (0.01 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> SELECT v.VentaID, c.Nombre AS NombreCliente, c.Apellido AS ApellidoCliente,
-> p.Nombre AS NombreProducto, v.Cantidad, v.PrecioTotal
-> FROM Ventas v
-> JOIN Clientes c ON v.ClienteID = c.ClienteID
-> JOIN Productos p ON v.ProductoID = p.ProductoID
-> WHERE v.VentaID = 1;
+-----+-----+-----+-----+-----+-----+
| VentaID | NombreCliente | ApellidoCliente | NombreProducto | Cantidad | PrecioTotal |
+-----+-----+-----+-----+-----+-----+
| 1 | Juan | Perez | Producto 1 | 2 | 39.98 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> INSERT INTO Ventas (ClienteID, ProductoID, FechaVenta, Cantidad, PrecioTotal)
-> VALUES
-> (4, 2, '2024-05-13', 2, 59.98);
Query OK, 1 row affected (0.00 sec)

mysql> UPDATE Productos
-> SET Stock = Stock - 2
-> WHERE ProductoID = 2;
Query OK, 1 row affected (0.00 sec)
```

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MySQL 8.0 Command Line Cli  ×  +  v

mysql> SELECT ProductoID, Nombre, Stock
-> FROM Productos;
+-----+-----+-----+
| ProductoID | Nombre | Stock |
+-----+-----+-----+
| 1 | Producto 1 | 50 |
| 2 | Producto 2 | 28 |
| 3 | Producto 3 | 20 |
| 4 | Producto 4 | 40 |
| 5 | Producto 5 | 60 |
| 6 | Producto 6 | 10 |
| 7 | Producto 7 | 25 |
| 8 | Producto 8 | 35 |
| 9 | Producto 9 | 15 |
| 10 | Producto 10 | 5 |
+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> SELECT Stock
-> FROM Productos
-> WHERE ProductoID = 2;
+-----+
| Stock |
+-----+
| 28 |
+-----+
1 row in set (0.00 sec)

mysql> INSERT INTO Clientes (Nombre, Apellido, Email, Telefono)
-> VALUES ('Nuevo', 'Cliente', 'nuevo@example.com', '4444444444');
```

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MySQL 8.0 Command Line Cli  x  +  v

mysql> UPDATE Clientes
  -> SET Telefono = '5555555555'
  -> WHERE ClienteID = 11;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> DELETE FROM Clientes
  -> WHERE ClienteID = 11;
Query OK, 1 row affected (0.01 sec)

mysql> SELECT *
  -> FROM Clientes
  -> WHERE Nombre LIKE '%Juan%';
+-----+-----+-----+-----+-----+
| ClienteID | Nombre | Apellido | Email          | Telefono |
+-----+-----+-----+-----+-----+
|          1 | Juan   | Perez    | juan@example.com | 1234567890 |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> SELECT *
  -> FROM Proveedores
  -> WHERE Email LIKE '%example.com%';
+-----+-----+-----+-----+-----+
| ProveedorID | NombreEmpresa | Contacto   | Telefono   | Email          |
+-----+-----+-----+-----+-----+
|            1 | Proveedor A   | Juan Perez | 1234567890 | proveedora@example.com |
|            2 | Proveedor B   | Maria Gomez | 0987654321 | proveedorb@example.com |
|            3 | Proveedor C   | Carlos Lopez | 5555555555 | proveedorc@example.com |
+-----+-----+-----+-----+-----+
```

```
MySQL 8.0 Command Line Cli  x  +  v

mysql> USE TiendaOnline;
Database changed
mysql> CREATE TABLE Clientes (
  ->   ClienteID INT PRIMARY KEY AUTO_INCREMENT,
  ->   Nombre VARCHAR(100),
  ->   Apellido VARCHAR(100),
  ->   Email VARCHAR(100) UNIQUE,
  ->   Telefono VARCHAR(15)
  -> );
Query OK, 0 rows affected (0.02 sec)

mysql>
mysql> \c
mysql> CREATE TABLE Productos (
  ->   ProductoID INT PRIMARY KEY AUTO_INCREMENT,
  ->   Nombre VARCHAR(100),
  ->   Descripcion TEXT,
  ->   Precio DECIMAL(10, 2),
  ->   Stock INT,
  ->   ProveedorID INT,
  ->   FOREIGN KEY (ProveedorID) REFERENCES Proveedores(ProveedorID)
  -> );
ERROR 1824 (HY000): Failed to open the referenced table 'proveedores'
mysql> CREATE TABLE Proveedores (
  ->   ProveedorID INT PRIMARY KEY AUTO_INCREMENT,
  ->   NombreEmpresa VARCHAR(100),
  ->   Contacto VARCHAR(100),
  ->   Telefono VARCHAR(15),
  ->   Email VARCHAR(100) UNIQUE
```

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-> FROM Ventas;
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mysql> SELECT c.Nombre, c.Apellido, COUNT(*) AS TotalCompras
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-> GROUP BY v.ClienteID
-> ORDER BY TotalCompras DESC

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-> GROUP BY p.Nombre
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| NombreProducto | TotalVendido |
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+-----+-----+-----+
| Nombre | Apellido | TotalCompras |
+-----+-----+-----+
| Juan   | Perez   |             1 |
| Maria  | Gomez   |             1 |
| Carlos | Lopez   |             1 |
| Ana    | Martinez|             1 |
+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> |

```

```
mysql> SELECT SUM(PrecioTotal) AS VentasTotales  
-> FROM Ventas  
-> WHERE FechaVenta = CURDATE();
```

```
+-----+  
| VentasTotales |  
+-----+  
|          319.92 |  
+-----+  
1 row in set (0.00 sec)
```

```
mysql> SELECT SUM(PrecioTotal) AS VentasTotales  
-> FROM Ventas  
-> WHERE FechaVenta >= CURDATE() - INTERVAL 1 WEEK;
```

```
+-----+  
| VentasTotales |  
+-----+  
|          319.92 |  
+-----+  
1 row in set (0.00 sec)
```

```
mysql> SELECT SUM(PrecioTotal) AS VentasTotales  
-> FROM Ventas  
-> WHERE FechaVenta >= CURDATE() - INTERVAL 1 MONTH;
```

```
+-----+  
| VentasTotales |  
+-----+  
|          319.92 |  
+-----+  
1 row in set (0.00 sec)
```