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MySQL 8.4 Command Line Client

mysql> CREATE DATABASE TiendaOnline;
Query OK, 1 row affected (0.01 sec)

mysql> USE TiendaOnline;
Database changed

mysql> CREATE TABLE Clientes (
->   id INT AUTO_INCREMENT PRIMARY KEY,
->   nombre VARCHAR(255) NOT NULL,
->   direccion VARCHAR(255) NOT NULL,
->   telefono VARCHAR(20) NOT NULL,
->   email VARCHAR(100) NOT NULL
-> );
Query OK, 0 rows affected (0.02 sec)

mysql> CREATE TABLE Proveedores (
->   id INT AUTO_INCREMENT PRIMARY KEY,
->   nombre VARCHAR(255) NOT NULL,
->   direccion VARCHAR(255) NOT NULL,
->   telefono VARCHAR(20) NOT NULL,
->   email VARCHAR(100) NOT NULL
-> );
Query OK, 0 rows affected (0.02 sec)

mysql> CREATE TABLE Productos (
->   id INT AUTO_INCREMENT PRIMARY KEY,
->   nombre VARCHAR(255) NOT NULL,
->   precio DECIMAL(10, 2) NOT NULL,
->   proveedor_id INT,
->   FOREIGN KEY (proveedor_id) REFERENCES Proveedores(id)
-> );
Query OK, 0 rows affected (0.03 sec)

mysql> CREATE TABLE Ventas (
->   id INT AUTO_INCREMENT PRIMARY KEY,
->   cliente_id INT,
->   producto_id INT,
->   cantidad INT,
->   fecha_venta DATE,
->   FOREIGN KEY (cliente_id) REFERENCES Clientes(id),
->   FOREIGN KEY (producto_id) REFERENCES Productos(id)
-> );
Query OK, 0 rows affected (0.03 sec)

mysql> INSERT INTO Clientes (nombre, direccion, telefono, email)
-> VALUES
-> ('Juan Perez', 'Calle A #123', '1234567890', 'juan@example.com'),
-> ('Maria Lopez', 'Avenida B #456', '9876543210', 'maria@example.com'),
-> ('Pedro Martinez', 'Calle C #789', '4567890123', 'pedro@example.com'),
-> ('Laura Gonzalez', 'Avenida D #321', '7890123456', 'laura@example.com'),
-> ('Carlos Sanchez', 'Calle E #567', '3216549870', 'carlos@example.com'),
-> ('Ana Ramirez', 'Avenida F #654', '6543210987', 'ana@example.com'),
-> ('Luis Torres', 'Calle G #987', '9012345678', 'luis@example.com'),
-> ('Elena Gomez', 'Avenida H #876', '2345678901', 'elena@example.com'),
-> ('Jorge Rodriguez', 'Calle I #234', '5678901234', 'jorge@example.com'),
-> ('Marta Diaz', 'Avenida J #432', '8901234567', 'marta@example.com');
Query OK, 10 rows affected (0.00 sec)
Records: 10  Duplicates: 0  Warnings: 0
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mysql>
mysql> INSERT INTO Proveedores (nombre, direccion, telefono, email)
-> VALUES
-> ('Proveedor A', 'Calle X #123', '1112223333', 'proveedorA@example.com'),
-> ('Proveedor B', 'Avenida Y #456', '4445556666', 'proveedorB@example.com'),
-> ('Proveedor C', 'Calle Z #789', '7778889999', 'proveedorC@example.com');
Query OK, 3 rows affected (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql>
mysql>
mysql> INSERT INTO Productos (nombre, precio, proveedor_id)
-> VALUES
-> ('Producto 1', 29.99, 1),
-> ('Producto 2', 19.99, 2),
-> ('Producto 3', 39.99, 1),
-> ('Producto 4', 49.99, 3),
-> ('Producto 5', 14.99, 2),
-> ('Producto 6', 24.99, 1),
-> ('Producto 7', 34.99, 3),
-> ('Producto 8', 9.99, 2),
-> ('Producto 9', 59.99, 1),
-> ('Producto 10', 79.99, 3);
Query OK, 10 rows affected (0.00 sec)
Records: 10 Duplicates: 0 Warnings: 0

mysql>
mysql> INSERT INTO Ventas (cliente_id, producto_id, cantidad, fecha_venta)
-> VALUES
-> (1, 1, 2, CURDATE());
Query OK, 1 row affected (0.00 sec)

mysql> FROM Productos
-> WHERE id = 1;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server vers
ion for the right syntax to use near 'FROM Productos
WHERE id = 1' at line 1
mysql>
mysql> UPDATE Proveedores
-> SET direccion = 'Cra #21 78'
-> WHERE id = 1;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql>
mysql> DELETE FROM Clientes
-> WHERE id = 11;
Query OK, 0 rows affected (0.00 sec)

mysql>
mysql> SELECT *
-> FROM Clientes
-> WHERE nombre LIKE '%Lopez%';
+----+-----+-----+-----+-----+
| id | nombre      | direccion      | telefono      | email              |
+----+-----+-----+-----+-----+
| 2  | Maria Lopez | Avenida B #456 | 9876543210   | maria@example.com |
+----+-----+-----+-----+-----+
1 row in set (0.00 sec)

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MySQL 8.4 Command Line Client

mysql>
mysql> SELECT SUM(precio * cantidad) AS ingresos_totales
  -> FROM Ventas
  -> JOIN Productos ON Ventas.producto_id = Productos.id
  -> WHERE fecha_venta >= DATE_SUB(NOW(), INTERVAL 1 MONTH);
+-----+
| ingresos_totales |
+-----+
|          59.98 |
+-----+
1 row in set (0.00 sec)

mysql>
mysql> SELECT Productos.nombre, SUM(Ventas.cantidad) AS total_vendido
  -> FROM Ventas
  -> JOIN Productos ON Ventas.producto_id = Productos.id
  -> GROUP BY Productos.nombre
  -> ORDER BY total_vendido DESC
  -> LIMIT 5;
+-----+-----+
| nombre      | total_vendido |
+-----+-----+
| Producto 1 |          2 |
+-----+-----+
1 row in set (0.00 sec)

mysql>
mysql> SELECT Clientes.nombre, COUNT(*) AS total_compras
  -> FROM Ventas
  -> JOIN Clientes ON Ventas.cliente_id = Clientes.id
  -> GROUP BY Clientes.nombre
  -> ORDER BY total_compras DESC
  -> LIMIT 5;
+-----+-----+
| nombre      | total_compras |
+-----+-----+
| Juan Perez  |          1 |
+-----+-----+
1 row in set (0.00 sec)

mysql>
```