

## Universidad Autónoma del Estado de Hidalgo Instituto de Ciencias Básicas e Ingeniería Área Académica de Computación

Licenciatura en Ciencias Computacionales

## Práctica. Consultas a la BD de Distribuidora

MATERIA: Bases de Datos Distribuidas

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CATEDRÁTICO: EDUARDO CORNEJO VELAZQUEZ



```
CREATE DATABASE herramientaDB;
USE herramientaDB;
CREATE TABLE supplier (
 idSupplier INT PRIMARY KEY,
  name VARCHAR(100),
  street VARCHAR(100),
  number INT,
  city VARCHAR(50),
  state VARCHAR(50),
  phone VARCHAR(20),
  email VARCHAR(100),
  contact VARCHAR(100)
 CREATE TABLE purchase (
  idPurchase INT PRIMARY KEY,
  idSupplier INT,
  date DATE,
  time TIME,
  folio VARCHAR(50),
  payment VARCHAR(50),
  FOREIGN KEY (idSupplier) REFERENCES supplier(idSupplier)
CREATE TABLE tool (
  name VARCHAR(100).
  model VARCHAR(50),
  manufacturer VARCHAR(50),
  color VARCHAR(20),
  size VARCHAR(20),
  description TEXT
CREATE TABLE warehouse (
  idWarehouse INT PRIMARY KEY,
  street VARCHAR(100),
  number INT,
  city VARCHAR(50),
  state VARCHAR(50),
  area VARCHAR(50),
  phone VARCHAR(20),
  manager VARCHAR(100)
CREATE TABLE inventory (
  idInventory INT PRIMARY KEY,
```

```
idWarehouse INT.
  idTool INT,
  zone VARCHAR(50),
  rack INT,
  level INT.
  location VARCHAR(100),
  amount INT.
  purchasePrice DECIMAL(10, 2),
  storeSalePrice DECIMAL(10, 2),
  wholeSalePrice DECIMAL(10, 2),
  FOREIGN KEY (idWarehouse) REFERENCES warehouse(idWarehouse).
  FOREIGN KEY (idTool) REFERENCES tool(idTool)
CREATE TABLE buyTool (
  idBuyTool INT PRIMARY KEY,
  idPurchase INT,
  idInventory INT,
  amount INT,
  unitPrice DECIMAL(10, 2),
  note TEXT.
  FOREIGN KEY (idPurchase) REFERENCES purchase(idPurchase),
  FOREIGN KEY (idInventory) REFERENCES inventory(idInventory)
INSERT INTO supplier (idSupplier, name, street, number, city, state, phone, email,
contact) VALUES
(1, 'Supplier A', 'Street A', 1, 'City A', 'State A', '123456789', 'supplier A@example.com',
'Contact A'),
(2, 'Supplier B', 'Street B', 2, 'City B', 'State B', '987654321', 'supplierB@example.com',
'Contact B'),
(3, 'Supplier C', 'Street C', 3, 'City C', 'State C', '456789123', 'supplier C@example.com',
'Contact C'),
(4, 'Supplier D', 'Street D', 4, 'City D', 'State D', '789123456', 'supplier D@example.com',
'Contact D'),
(5, 'Supplier E', 'Street E', 5, 'City E', 'State E', '321654987', 'supplierE@example.com',
'Contact E');
INSERT INTO tool (idTool, name, model, manufacturer, color, size, description) VALUES
(1, 'Hammer', 'H100', 'BrandX', 'Red', 'Medium', 'Heavy-duty hammer for construction'),
(2, 'Screwdriver', 'S200', 'BrandY', 'Blue', 'Small', 'Precision screwdriver for electronics'),
(3, 'Wrench', 'W300', 'BrandZ', 'Black', 'Large', 'Adjustable wrench for plumbing'),
(4, 'Pliers', 'P400', 'BrandA', 'Yellow', 'Medium', 'Multi-purpose pliers for various tasks').
(5, 'Drill', 'D500', 'BrandB', 'Green', 'Medium', 'Cordless drill for home improvement');
```

```
INSERT INTO warehouse (idWarehouse, street, number, city, state, area, phone, manager)
VALUES
(1, 'Warehouse Street 1', 10, 'Warehouse City A', 'Warehouse State A', 'North', '555-1234',
'Manager A'),
(2, 'Warehouse Street 2', 20, 'Warehouse City B', 'Warehouse State B', 'South', '555-5678',
'Manager B'),
(3, 'Warehouse Street 3', 30, 'Warehouse City C', 'Warehouse State C', 'East', '555-9876',
'Manager C'),
(4, 'Warehouse Street 4', 40, 'Warehouse City D', 'Warehouse State D', 'West', '555-5432',
'Manager D'),
(5, 'Warehouse Street 5', 50, 'Warehouse City E', 'Warehouse State E', 'Central', '555-6789',
'Manager E');
INSERT INTO purchase (idPurchase, idSupplier, date, time, folio, payment) VALUES
(1, 1, '2023-01-10', '10:00:00', 'F1234', 'Credit'),
(2, 2, '2023-01-11', '11:00:00', 'F1235', 'Cash'),
(3, 3, '2023-01-12', '12:00:00', 'F1236', 'Credit'),
(4, 4, '2023-01-13', '13:00:00', 'F1237', 'Debit'),
(5, 5, '2023-01-14', '14:00:00', 'F1238', 'Credit'),
(6, 1, '2023-01-15', '15:00:00', 'F1239', 'Cash'),
(7, 2, '2023-01-16', '16:00:00', 'F1240', 'Debit'),
(8, 3, '2023-01-17', '17:00:00', 'F1241', 'Credit'),
(9, 4, '2023-01-18', '18:00:00', 'F1242', 'Cash'),
(10, 5, '2023-01-19', '19:00:00', 'F1243', 'Debit');
INSERT INTO inventory (idInventory, idWarehouse, idTool, zone, rack, level, location,
```

amount, purchasePrice, storeSalePrice, wholeSalePrice) VALUES

```
(1, 1, 1, 'Zone A', 1, 1, 'Loc1', 50, 100.00, 150.00, 130.00),
(2, 1, 2, 'Zone A', 1, 2, 'Loc2', 40, 50.00, 75.00, 60.00),
(3, 1, 3, 'Zone A', 1, 3, 'Loc3', 30, 200.00, 300.00, 250.00),
(4, 1, 4, 'Zone A', 2, 1, 'Loc4', 20, 75.00, 100.00, 85.00),
(5, 1, 5, 'Zone A', 2, 2, 'Loc5', 10, 150.00, 200.00, 180.00),
(6, 2, 1, 'Zone B', 2, 3, 'Loc6', 60, 100.00, 150.00, 130.00),
(7, 2, 2, 'Zone B', 3, 1, 'Loc7', 50, 50.00, 75.00, 60.00),
(8, 2, 3, 'Zone B', 3, 2, 'Loc8', 40, 200.00, 300.00, 250.00),
(9, 2, 4, 'Zone B', 3, 3, 'Loc9', 30, 75.00, 100.00, 85.00),
(10, 2, 5, 'Zone B', 1, 1, 'Loc10', 20, 150.00, 200.00, 180.00),
(11, 3, 1, 'Zone C', 1, 2, 'Loc11', 70, 100.00, 150.00, 130.00),
(12, 3, 2, 'Zone C', 1, 3, 'Loc12', 60, 50.00, 75.00, 60.00),
(13, 3, 3, 'Zone C', 2, 1, 'Loc13', 50, 200.00, 300.00, 250.00),
```

(14, 3, 4, 'Zone C', 2, 2, 'Loc14', 40, 75.00, 100.00,60.00);

## Diseñar las sentencias de álgebra relacional y sentencias SQL para las siguientes consultas:

```
• Reporte de compras del mes de enero que incluya el nombre del proveedor, el nombre de
la herramienta, cantidad, precio unitario y precio total
\pi nombre_proveedor, nombre_herramienta, cantidad, precio_unitario, (cantidad
              * precio_unitario) -> precio_total
    \sigma fecha_compra >= '2023 - 01 - 01' AND fecha_compra <
                  = '2023 - 01 - 31' (Compra \bowtie Proveedor \bowtie Herramienta)
SELECT s.name AS nombre_proveedor, t.name AS nombre_herramienta, bt.amount,
bt.unitPrice AS precio unitario, (bt.amount * bt.unitPrice) AS precio total
FROM purchase p
JOIN supplier s ON p.idSupplier = s.idSupplier
JOIN buyTool bt ON p.idPurchase = bt.idPurchase
JOIN inventory i ON bt.idInventory = i.idInventory
JOIN tool t ON i.idTool = t.idTool
WHERE p.date BETWEEN '2023-01-01' AND '2023-01-31';
• Reporte de inventario de la bodega de la calle 13 que incluya el nombre de la herramienta,
cantidad y costo total (precio de compra * cantidad)
 \pi nombre_herramienta, cantidad, (precio_compra * cantidad) -> costo total
           \sigma calle = 'Calle 13' (Inventario \bowtie Herramienta \bowtie Bodega)
SELECT t.name AS nombre_herramienta, i.amount, (i.purchasePrice * i.amount) AS
costo total
FROM inventory i
JOIN tool t ON i.idTool = t.idTool
JOIN warehouse w ON i.idWarehouse = w.idWarehouse
WHERE w.street = 'Calle 13';
• Reporte de compras de la herramienta "Tijera de jardinero" durante el año 2023 el nombre
del proveedor, fecha de compra, cantidad, precio unitario y costo total
    \pi nombre_proveedor, fecha_compra, cantidad, precio_unitario, (cantidad)
               * precio_unitario) -> costo_total
    \sigma nombre herramienta = 'Tijera de jardinero' AND fecha compra >
                  = '2023 - 01 - 01' AND fecha\_compra <
                  = '2023 - 12 - 31' (Compra \bowtie Proveedor \bowtie Herramienta)
SELECT s.name AS nombre_proveedor, p.date AS fecha_compra, bt.amount, bt.unitPrice
AS precio_unitario, (bt.amount * bt.unitPrice) AS costo_total
FROM purchase p
JOIN supplier s ON p.idSupplier = s.idSupplier
JOIN buyTool bt ON p.idPurchase = bt.idPurchase
JOIN inventory i ON bt.idInventory = i.idInventory
JOIN tool t ON i.idTool = t.idTool
WHERE t.name = 'Tijera de jardinero' AND p.date BETWEEN '2023-01-01' AND '2023-
12-31';
```

• Listado de responsables de las bodegas de la empresa con calle, número y teléfono π manager, street, number, phone (Bodega)

SELECT manager, street, number, phone

FROM warehouse;

• Listado de contactos con los proveedores con nombre de contacto, nombre de proveedor, teléfono y correo electrónico

 $\pi$  contact, name, phone, email (Proveedor)

SELECT contact AS nombre\_contacto, name AS nombre\_proveedor, phone, email FROM supplier;

• Reporte de herramientas compradas cuyo precio unitario se menor o igual a \$250.00 que incluya nombre de la herramienta, fecha de compra y cantidad comprada en orden cronológico descendiente.

 $\pi$  nombre\_herramienta, fecha\_compra, cantidad  $\sigma$  precio\_unitario <= 250 (Compra  $\bowtie$  Herramienta)  $\rho$  temporal ( $\pi$  nombre\_herramienta, fecha\_compra, cantidad)

τ fecha\_compra DESC (temporal)

SELECT t.name AS nombre\_herramienta, p.date AS fecha\_compra, bt.amount

FROM purchase p

JOIN buyTool bt ON p.idPurchase = bt.idPurchase

JOIN inventory i ON bt.idInventory = i.idInventory

JOIN tool t ON i.idTool = t.idTool

WHERE bt.unitPrice <= 250

ORDER BY p.date DESC;

• Reporte de herramientas en el inventario cuyo stock sea entre 5 y 20 piezas que incluya calle y número de la bodega, nombre de la herramienta, ubicación y cantidad en existencia π street, number, name, location, amount

 $\sigma$  amount  $\geq 5$  AND amount  $\leq 20$  (Inventario  $\bowtie$  Herramienta  $\bowtie$  Bodega)

SELECT w.street, w.number, t.name AS nombre\_herramienta, i.location, i.amount

FROM inventory i

JOIN tool t ON i.idTool = t.idTool

JOIN warehouse w ON i.idWarehouse = w.idWarehouse

WHERE i.amount BETWEEN 5 AND 20;

• Reporte del stock de todas las bodegas que incluya calle, número, responsable, teléfono y total de herramientas almacenadas

 $\pi$  street, number, manager, phone, SUM (amount) -> total\_herramientas (Inventory  $\bowtie$  Warehouse) GROUP BY street, number, manager, phone

SELECT w.street, w.number, w.manager, w.phone, SUM(i.amount) AS total\_herramientas FROM inventory i

JOIN warehouse w ON i.idWarehouse = w.idWarehouse

GROUP BY w.street, w.number, w.manager, w.phone;

• Reporte de valor de inventario de todas las bodegas que incluya calle, estado y monto total de precio de venta de las herramientas almacenadas

 $\pi$  street, state, SUM(storeSalePrice \* amount) -> monto\_total (Inventory  $\bowtie$  Warehouse) GROUP BY street, state

SELECT w.street, w.state, SUM(i.storeSalePrice \* i.amount) AS monto\_total FROM inventory i

JOIN warehouse w ON i.idWarehouse = w.idWarehouse GROUP BY w.street, w.state;

```
Ouery OK, 1 row affected (0.01 sec)

Database changed mysols CREATE DATABASE pernamientabB; User provided to the control of th
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```
nysql> INSERT INTO supplier (idSupplier, name, street, number, city, state, phone, email, contact) VALUES(1, 'Supplier A
', 'Street A', 1, 'City A', 'State A', '123456789', 'supplierA@example.com', 'Contact A'),(2, 'Supplier B', 'Street B',
Contact B'),(3, 'SupplierC@example.com', 'Street B', 'Street C', 3, 'City C', 'S
tate C', '456789123', 'supplierC@example.com', 'Contact C'),(4, 'Supplier D', 'Street D', 4, 'City D', 'State b', '78912
3456', 'supplierD@example.com', 'Contact D'),(5, 'Supplier E', 'Street E', 5, 'City E', 'State E', '321654987', 'supplie
E@example.com', 'Contact E');
Query OK, 5 rows affected (0.01 sec)
Records: 5 Duplicates: 0 Warnings: 0
 mysql> INSERT INTO tool (idTool, name, model, manufacturer, color, size, description) VALUES(1, 'Hammer', 'H100', 'Brand
K', 'Red', 'Medium', 'Heavy-duty hammer for construction'),(2, 'Screwdriver', 'S200', 'BrandY', 'Blue', 'Small', 'Precis
ion screwdriver for electronics')(3, 'Wrench', 'W300', 'BrandZ', 'Black', 'Large', 'Adjustable wrench for plumbing'),(4
, 'Pilers', 'P400', 'BrandA', 'Yellow, 'Medium', 'Multi-purpose pliers for various tasks'),(5, 'Drill', 'D500', 'BrandB
, 'Green', 'Medium', 'Cordless drill for home improvement');
wery OK, 5 rows affected (0.00 sec)
 mysql> INSERT INTO warehouse (idwarehouse, street, number, city, state, area, phone, manager) VALUES(1, 'Warehouse Street t', 10, 'Warehouse City A', 'Warehouse State A', 'North', '555-1234', 'Manager A'),(2, 'Warehouse Street 2', 20, 'Warehouse City B', 'Warehouse State B', 'South', '555-5678', 'Manager B'),(3, 'Warehouse Street 3', 30, 'Warehouse City C', 'Warehouse State C', 'East', '555-9876', 'Manager C'),(4, 'Warehouse Street 4', 40, 'Warehouse City D', 'Warehouse State D', 'Warehouse State E', 'Central', 'D', 'Warehouse State E', 'Central', 'S55-5789', 'Manager D'),(5, 'Warehouse Street S', 50, 'Warehouse City E', 'Warehouse State E', 'Central', 'Warehouse City E', 'Warehouse City E', 'Warehouse State E', 'Central', 'Warehouse City E', 'Warehouse City E', 'Warehouse State E', 'Central', 'S55-5789', 'Manager C'), 'Warehouse City E', 'Warehouse State E', 'Central', 'S55-5789', 'Manager C'), 'Warehouse City E', 'Warehouse State E', 'Central', 'S55-5789', 'Manager C'), 'Warehouse City E', 'Warehouse 
  ysql> INSERT INTO purchase (idPurchase, idSupplier, date, time, folio, payment) VALUES(1, 1, '2023-01-10', '10:00:00', F1234', 'Credit'),(2, 2, '2023-01-11', '11:00:00', 'F1235', 'Cash'),(3, 3, '2023-01-12', '12:00:00', 'F1236', 'Credit'),(4, 4, '2023-01-13', '13:00:00', 'F1236', 'Debit'),(5, 5, '2023-01-14', '14:00:00', 'F1238', 'Credit'),(6, 1, '2023-01-5', '15:00:00', 'F1239', 'Cash'),(7, 2, '2023-01-16', '16:00:00', 'F1240', 'Debit'),(8, 3, '2023-01-17', '17:00:00', 'F1241', 'Credit'),(9, 4, '2023-01-18', '18:00:00', 'F1242', 'Cash'),(10, 5, '2023-01-19', '19:00:00', 'F1243', 'Debit'); uery OK, 10 rows affected (0.00 sec) ecords: 10 Duplicates: 0 Warnings: 0
  ysql> INSERT INTO inventory (idInventory, idWarehouse, idTool, zone, rack, level, location, amount, purchasePrice, store and the salePrice) VALUES(1, 1, 1, 20ne A', 1, 1, 10c1, 50, 100.00, 150.00, 130.00),(2, 1, 2, 20ne A', 1, 2, 10c2, 40, 50, 00, 75.00, 60.00),(3, 1, 3, 20ne A', 1, 3, 10c3, 30, 200.00, 300.00, 250.00),(4, 1, 4, 20ne A', 2, 10c4, 20, 75.00, 100.00, 85.00),(5, 1, 5, 20ne A', 2, 2, 10c5, 10, 150.00, 200.00, 180.00),(6, 2, 1, 20ne B', 2, 10c5, 60, 100.00, 150.00, 150.00, 200.00, 85.00),(5, 2, 2, 20ne B', 3, 1, 10c7, 50, 50, 00, 75.00, 60.00),(8, 2, 3, 20ne B', 2, 10c8, 40, 200.00, 300.00, 250.00),(9, 2, 4, 20ne B', 3, 3, 10c9, 30, 75.00, 100.00, 85.00),(10, 2, 5, 20ne B', 1, 1, 10c10', 20, 150.00, 200.00, 180.00),(11, 3, 1, 20ne C', 1, 2, 10c11', 70, 100.00, 150.00, 130.00),(12, 3, 2, 20ne C', 1, 3, 10c12', 60, 50.00, 75.00, 60.00),(13, 3, 3, 20ne C', 2, 1, 10c13', 50, 200.00, 300.00, 250.00),(14, 2, 5).
mysql> SELECT w.street, w.number, w.manager, w.phone
                          -> FROM warehouse w;
                                                                                                                                     | number | manager
                                                                                                                                                                                                                                                                        phone
           Warehouse Street 1
Warehouse Street 2
                                                                                                                                                                        10
                                                                                                                                                                                                                                                                                555-1234
                                                                                                                                                                                                      Manager A
                                                                                                                                                                        20
                                                                                                                                                                                                                                                                                  555-5678
                                                                                                                                                                                                      Manager B
                                                                                                                                                                                                                                                                                  555-9876
555-5432
           Warehouse Street 3
Warehouse Street 4
                                                                                                                                                                        30
                                                                                                                                                                                                      Manager C
                                                                                                                                                                        40
                                                                                                                                                                                                      Manager D
                                                                                                                                                                                                                                                                               555-6789
           Warehouse Street 5
                                                                                                                                                                        50 I
                                                                                                                                                                                                      Manager E
          rows in set (0.00 sec)
  mysql> SELECT s.contact, s.name, s.phone, s.email
                          -> FROM supplier s;
            contact
                                                                                                                                                                                                                           | email
                                                                         name
                                                                                                                                                      phone
                                                                        | Supplier A |
| Supplier B |
             Contact A
                                                                                                                                                               123456789
                                                                                                                                                                                                                                     supplierA@example.com
                                                                                                                                                              987654321
                                                                                                                                                                                                                                     supplierB@example.com
             Contact B
                                                                                                                                                           456789123
789123456
321654987
                                                                                 Supplier C
Supplier D
                                                                                                                                                                                                                                     supplierC@example.com
             Contact C
Contact D
                                                                                                                                                                                                                                     supplierD@example.com
             Contact E | Supplier E |
                                                                                                                                                                                                                                     supplierE@example.com
           rows in set (0.00 sec)
```

```
mysql> SELECT w.street, w.number, t.name AS tool_name, i.location, i.amount
-> FROM inventory i
-> JOIN warehouse w ON i.idWarehouse = w.idWarehouse
-> JOIN tool t ON i.idTool = t.idTool
-> WHERE i.amount BETWEEN 5 AND 20;
                                         number | tool_name
                                                                               location | amount
   street
   Warehouse Street 1
Warehouse Street 1
                                                 10
10
                                                          Pliers
Drill
Drill
                                                                                Loc4
Loc5
                                                                                                            20
10
20
                                                                                Loc10
                                                 20
   Warehouse Street 2
   rows in set (0.00 sec)
 mysql> SELECT w.street, w.number, w.manager, w.phone, SUM(i.amount) AS total_tools
-> FROM warehouse w
-> JOIN inventory i ON w.idWarehouse = i.idWarehouse
        -> GROUP BY w.street, w.number, w.manager, w.phone;
                                                                                                total_tools
    street
                                         number
                                                        manager
                                                                             phone
                                                                            555-1234
555-5678
555-9876
                                               10
20
30
                                                                                                             150
200
220
    Warehouse Street 1
Warehouse Street 2
Warehouse Street 3
                                                        Manager A
Manager B
                                                        Manager C
    rows in set (0.00 sec)
```

```
mysql> SELECT w.street, w.state, SUM(i.storeSalePrice * i.amount) AS total_inventory_value
            -> FROM warehouse w
-> JOIN inventory i ON w.idWarehouse = i.idWarehouse
-> GROUP BY w.street, w.state;
                                                                                                                                     total_inventory_value |
     street
                                                                  state
      Warehouse Street 1 | Warehouse State A
Warehouse Street 2 | Warehouse State B
Warehouse Street 3 | Warehouse State C
                                                                                                                                                                              23500.00
31750.00
34000.00
                                                                       Warehouse State A
     rows in set (0.00 sec)
  -> JOIN supplier s ON p.idSupplier = s.idSupplier
-> JOIN inventory i ON bt.idInventory = i.idInventory
-> JOIN tool t ON i.idTool = t.idTool
-> WHERE MONTH(p.date) = 1;
impty set (0.00 sec)
mysql> SELECT t.name AS tool_name, i.amount, (i.amount * i.purchasePrice) AS total_cost
-> FROM inventory i
-> JOIN warehouse w ON i.idWarehouse = w.idWarehouse
-> JOIN tool t ON i.idTool = t.idTool
-> WHERE w.street = 'Calle 13';
Empty set (0.00 sec)
mysql> SELECT s.name AS supplier_name, p.date, bt.amount, bt.unitPrice, (bt.amount * bt.unitPrice) AS total_cost
-> FROM buyTool bt
-> JOIN purchase p ON bt.idPurchase = p.idPurchase
-> JOIN supplier s ON p.idSupplier = s.idSupplier
-> JOIN supplier s ON p.idSupplier = s.idSupplier
-> JOIN inventory i ON bt.idInventory = i.idInventory
-> JOIN tool t ON i.idIdool = t.idTool
-> WHERE t.name = 'Tijera de jardinero' AND YEAR(p.date) = 2023;
Empty set (0.00 sec)
-> WHERE t.name =
Empty set (0.00 sec)
mysql> SELECT w.street, w.number, w.manager, w.phone
-> FROM warehouse w;
    street
                                                   | number | manager
                                                                                                      phone
                                                                 10 | Manager A |
20 | Manager B |
30 | Manager C |
40 | Manager D |
50 | Manager E |
    Warehouse Street 1 |
Warehouse Street 2 |
Warehouse Street 3 |
Warehouse Street 4 |
Warehouse Street 5 |
    rows in set (0.00 sec)
mysql> SELECT s.contact, s.name, s.phone, s.email
-> FROM supplier s;
     contact | name
                                                                                             email
   Contact A | Supplier A |
Contact B | Supplier B |
Contact C | Supplier C |
Contact D | Supplier D |
Contact E | Supplier E |
                                                                123456789
987654321
456789123
789123456
321654987
                                                                                             supplierA@example.com
supplierB@example.com
supplierC@example.com
supplierD@example.com
supplierE@example.com
    rows in set (0.00 sec)
mysql> SELECT t.name AS tool_name, p.date, bt.amount
-> FROM buyTool bt
-> JOIN purchase p ON bt.idPurchase = p.idPurchase
-> JOIN inventory i ON bt.idInventory = i.idInventory
-> JOIN tool t ON i.idTool = t.idTool
-> WHERE bt.unitPrice <= 250.00
-> ORDER BY p.date DESC;
Empty set (0.00 sec)
```