Jemmy Roque
February 5, 2026

LAB 5 PIZZA ORDERING SQL

Part 1: Inserting Data

```
INSERT INTO Customer (FirstName, LastName, Phone, Email, StreetAddress, City, State, ZipCode)
VALUES
('Jemmy', 'Roque', '111-333-4444', 'jemmy.roque@email.com', '900 Sun St', 'Tempe', 'AZ', '85281'),
('AC', 'Lowery', '111-222-2222', 'ac.lowery@email.com', '99 Moon Ave', 'Phoenix', 'AZ', '85001'),
('Jack', 'Yokes', '555-555-5555', 'jack.yokes@email.com', '101 Star Rd', 'Mesa', 'AZ', '85201');

INSERT INTO Food_Item (ItemName, BasePrice)
VALUES
('Pepperoni Pizza', 12.99),
('Veggie Pizza', 11.99),
('Hawaiian Pizza', 13.49),
('Garlic Bread Sticks', 5.49),
('Cinnamon Bread Sticks', 5.99),
('Cheese Bread Sticks', 6.49),
('Cola Soda', 2.49),
('Orange Soda', 2.49),
('Diet Cola', 2.49);

INSERT INTO Pizza (ItemID, Type)
VALUES
(1, 'Pepperoni'),
(2, 'Veggie'),
(3, 'Hawaiian');

INSERT INTO Bread_Stick (ItemID, FlavorType)
VALUES
(4, 'Garlic Butter'),
(5, 'Cinnamon'),
(6, 'Cheese');

INSERT INTO Soda (ItemID, Brand, SugarGrams)
VALUES
(7, 'Cola', 38),
(8, 'Orange', 42),
(9, 'DietCola', 0);

INSERT INTO Orders (CustomerID, OrderDateTime, TotalAmount)
VALUES
(1, '2026-02-05 12:15:00', 20.48),
(2, '2026-02-05 13:05:00', 27.97),
(3, '2026-02-05 18:30:00', 16.48);

INSERT INTO Order_Item (OrderID, ItemID, Size, Quantity, UnitPrice)
VALUES
(1, 1, 'Large', 1, 12.99),
(1, 7, 'Can', 2, 2.49),
(2, 2, 'Medium', 1, 11.99),
(2, 4, 'Reg', 1, 5.49),
(2, 8, 'Can', 1, 2.49),
(3, 5, 'Reg', 1, 5.99),
(3, 9, 'Can', 1, 2.49);
```

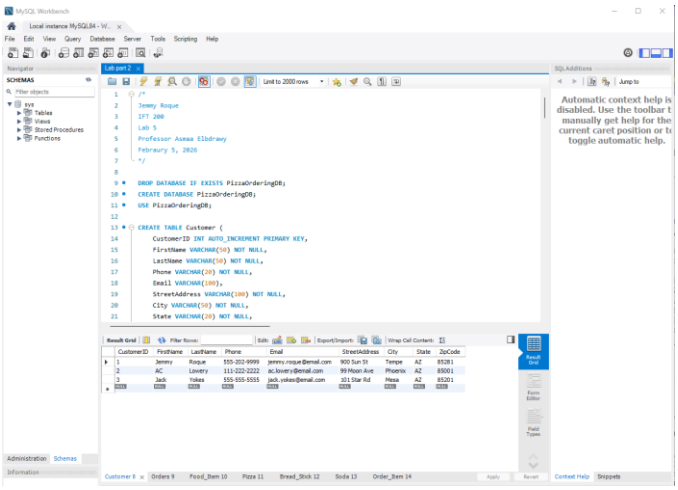

Figure 1 Customer

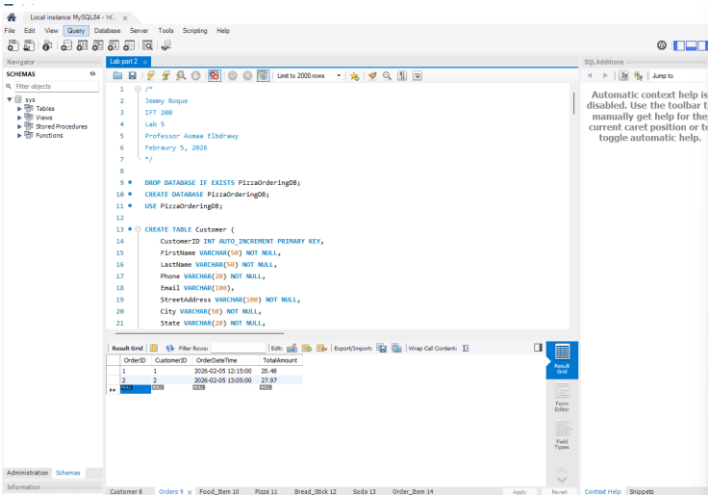

Figure 2 Orders

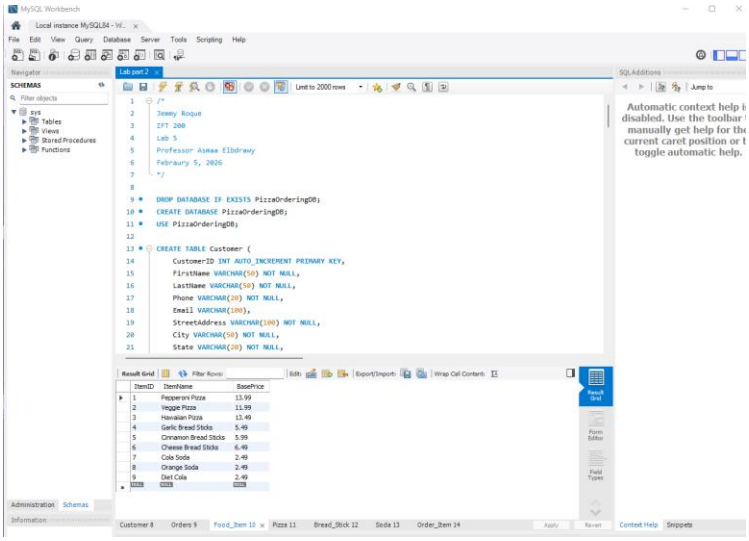

Figure 3 Food_Item

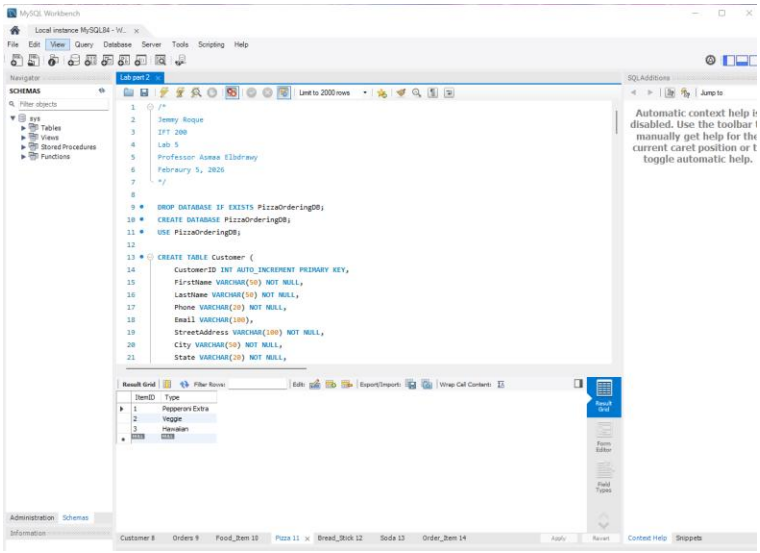

Figure 4 Pizza

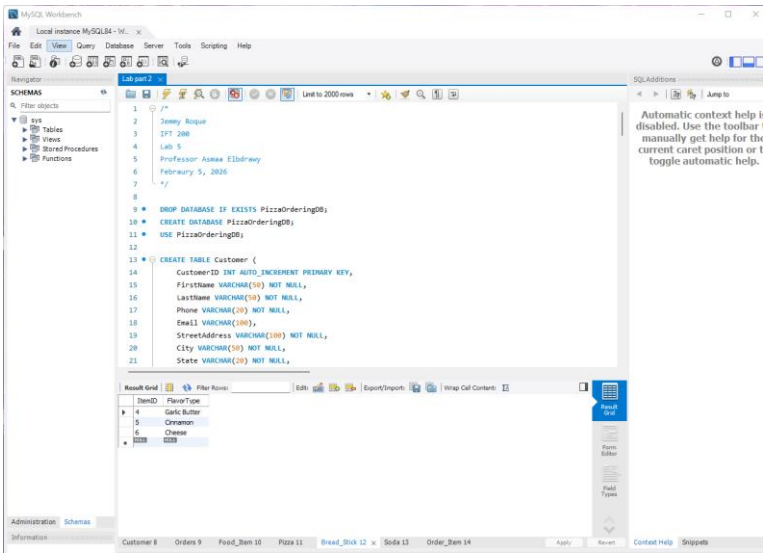

Figure 5 Bread_Sticks

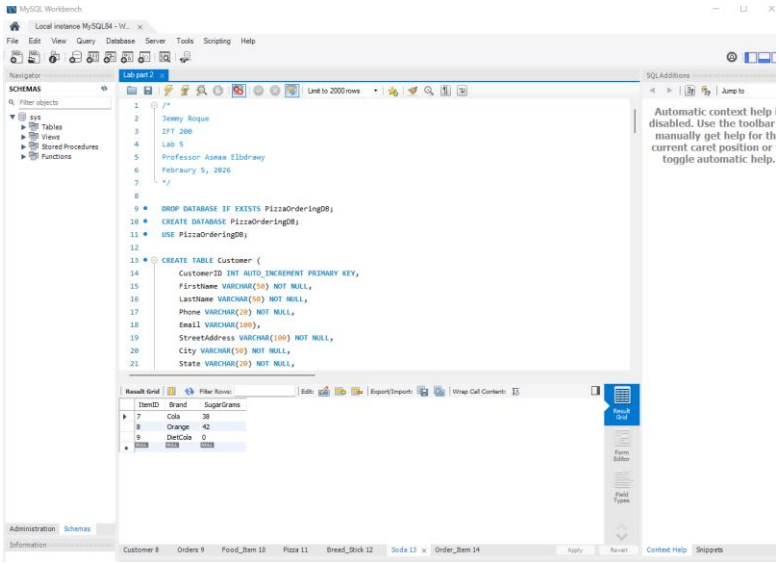

Figure 6 Soda

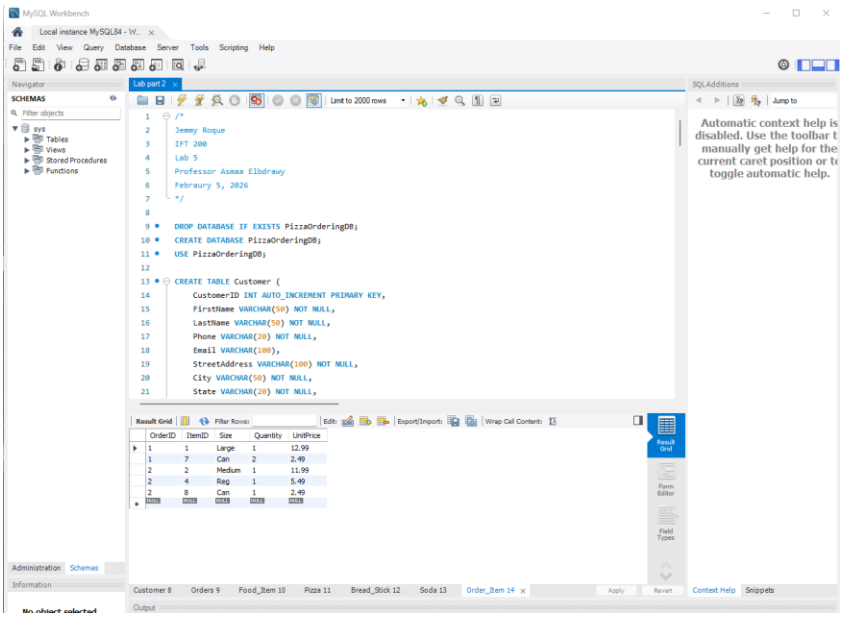

Figure 7 Order_Item

Part 2: Modifying Data

```
UPDATE Customer
SET Phone = ‘555-299-8888
WHERE CustomerID = @custJ;

UPDATE Orders
SET TotalAmount = 99.98
WHERE OrderID = @o1;

UPDATE Food_Item
SET BasePrice = 14.99
WHERE ItemID = @pep;

UPDATE Pizza
SET Type = ‘Pepperoni Extra’
WHERE ItemID = @pep;

UPDATE Bread_Stick
SET FlavorType = ‘Garlic Onion Butter’
WHERE ItemID = @gar;

UPDATE Soda
SET SugarGrams = 50
WHERE ItemID = @cola;

UPDATE Soda
SET Quantity = 4
WHERE OrderID = @o1 AND ItemID = @cola;
```

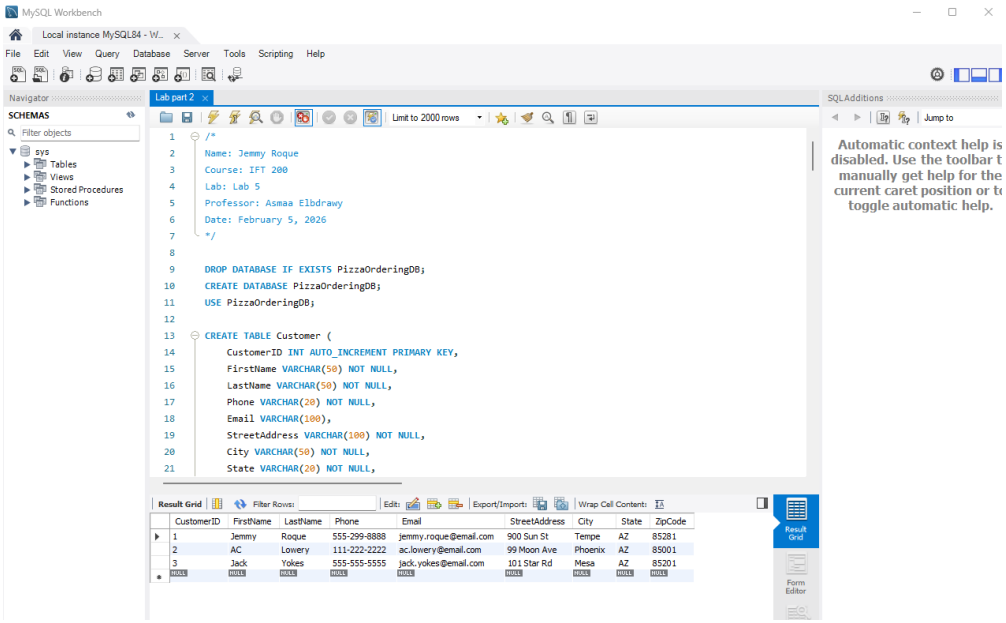

Figure 8 PHONE change for JEMMY ROQUE

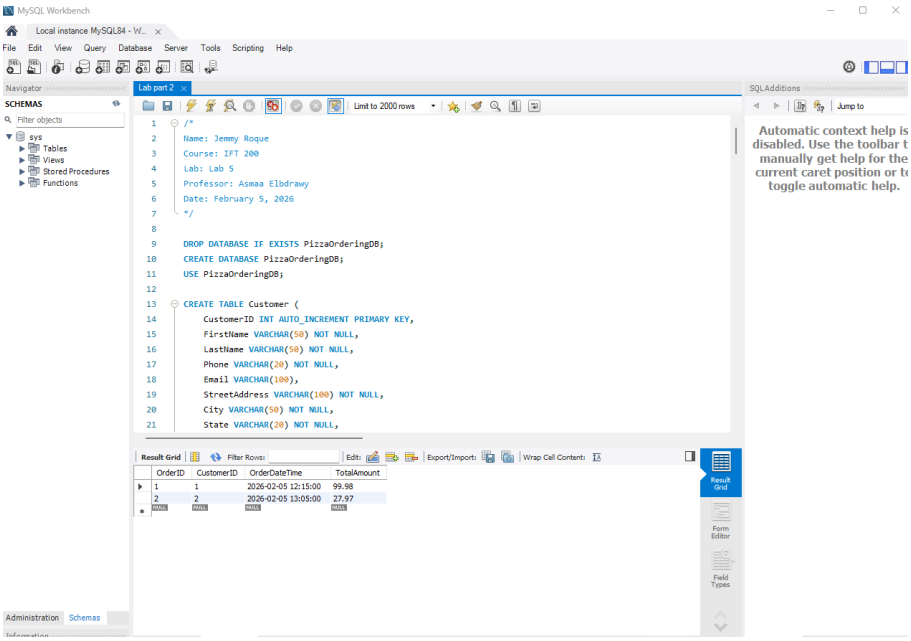

Figure 9 Order Total Amount Change 99.98

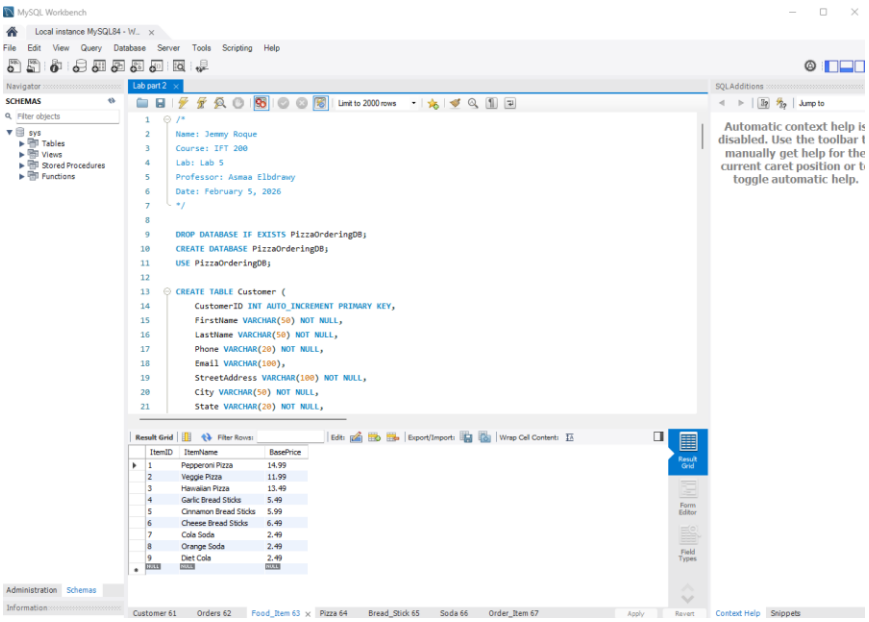

Figure 10 Pepperoni Pizza Price Change to 14.99

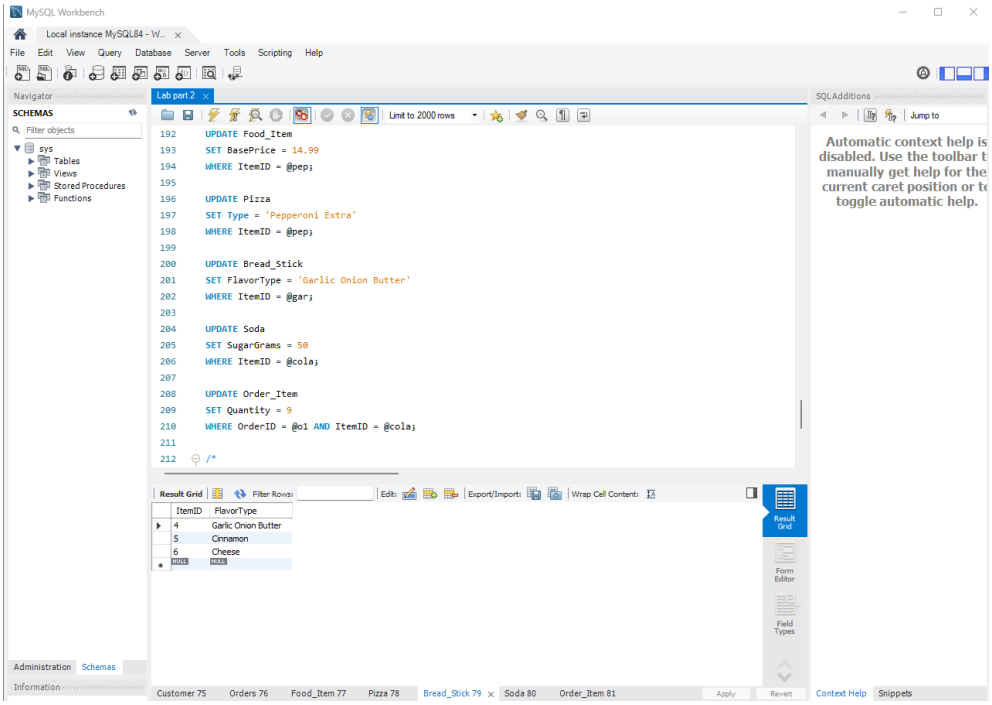

Figure 11 Garlic Onion Butter

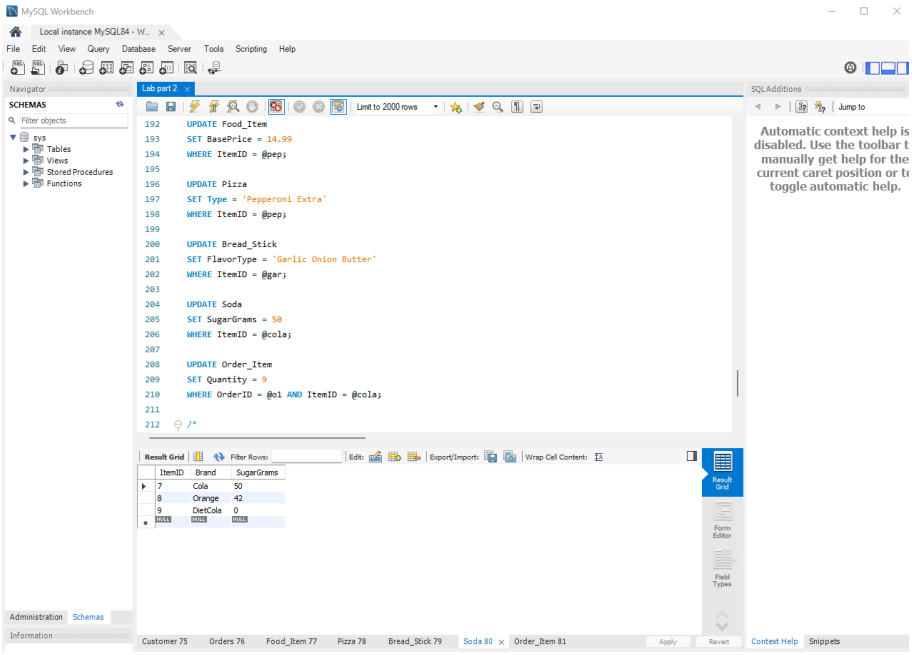

Figure 12 Soda Cola sugar grams change to 50

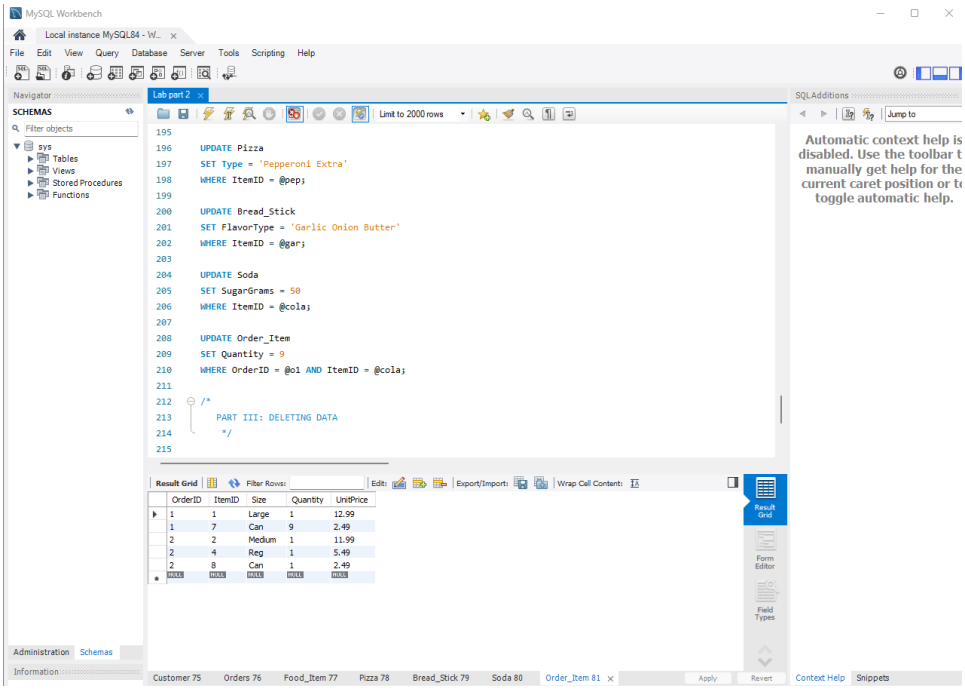

Figure 13 Can Quantity Change 9

Part 3: Deleting Data

```
DELETE FROM Orders
WHERE OrderID = @o1;
```

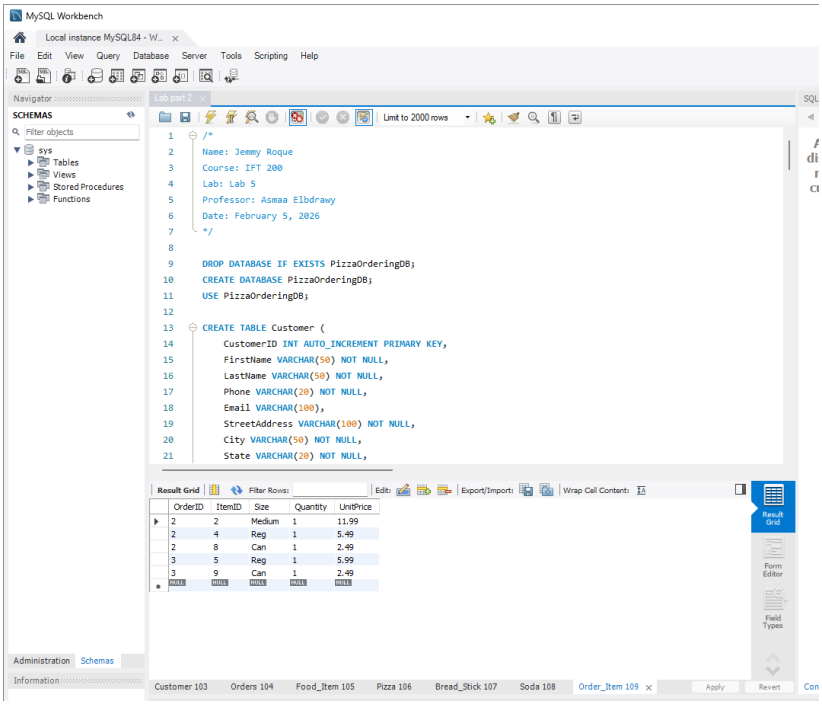

Figure 14 Large can deleted.

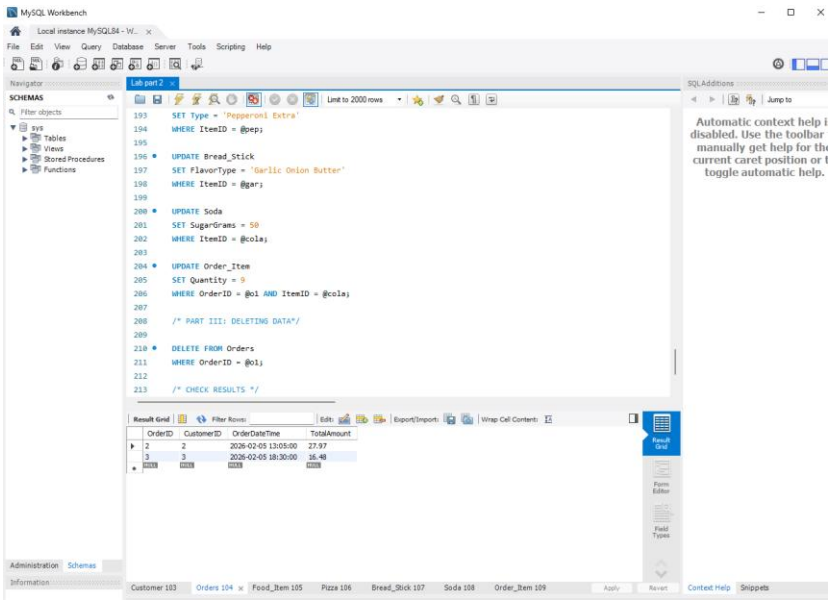

Figure 15 Order 99.98 row deleted

My SQL CODE

```
/*
Name: Jemmy Roque
Course: IFT 200
Lab: Lab 5
Professor: Asmaa Elbdrawy
Date: February 5, 2026
*/

DROP DATABASE IF EXISTS PizzaOrderingDB;
CREATE DATABASE PizzaOrderingDB;
USE PizzaOrderingDB;

CREATE TABLE Customer (
    CustomerID INT AUTO_INCREMENT PRIMARY KEY,
    FirstName VARCHAR(50) NOT NULL,
    LastName VARCHAR(50) NOT NULL,
    Phone VARCHAR(20) NOT NULL,
    Email VARCHAR(100),
    StreetAddress VARCHAR(100) NOT NULL,
    City VARCHAR(50) NOT NULL,
    State VARCHAR(20) NOT NULL,
    ZipCode VARCHAR(10) NOT NULL
);
```

```
CREATE TABLE Orders (
    OrderID INT AUTO_INCREMENT PRIMARY KEY,
    CustomerID INT NOT NULL,
    OrderDateTime DATETIME NOT NULL,
    TotalAmount DECIMAL(8,2) NOT NULL,
    CONSTRAINT fk_orders_customer
        FOREIGN KEY (CustomerID)
        REFERENCES Customer(CustomerID)
        ON DELETE RESTRICT
        ON UPDATE CASCADE
);

CREATE TABLE Food_Item (
    ItemID INT AUTO_INCREMENT PRIMARY KEY,
    ItemName VARCHAR(50) NOT NULL,
    BasePrice DECIMAL(6,2) NOT NULL
);

CREATE TABLE Pizza (
    ItemID INT PRIMARY KEY,
    Type VARCHAR(30) NOT NULL,
    CONSTRAINT fk_pizza_item
        FOREIGN KEY (ItemID)
        REFERENCES Food_Item(ItemID)
        ON DELETE CASCADE
        ON UPDATE CASCADE
);
```

```
CREATE TABLE Bread_Stick (
    ItemID INT PRIMARY KEY,
    FlavorType VARCHAR(30) NOT NULL,
    CONSTRAINT fk_breadstick_item
        FOREIGN KEY (ItemID)
        REFERENCES Food_Item(ItemID)
        ON DELETE CASCADE
        ON UPDATE CASCADE
);

CREATE TABLE Soda (
    ItemID INT PRIMARY KEY,
    Brand VARCHAR(30) NOT NULL,
    SugarGrams INT NOT NULL,
    CONSTRAINT fk_soda_item
        FOREIGN KEY (ItemID)
        REFERENCES Food_Item(ItemID)
        ON DELETE CASCADE
        ON UPDATE CASCADE
);

CREATE TABLE Order_Item (
    OrderID INT NOT NULL,
    ItemID INT NOT NULL,
    Size VARCHAR(10) NOT NULL,
    Quantity INT NOT NULL,
```

```
    UnitPrice DECIMAL(6,2) NOT NULL,
    PRIMARY KEY (OrderID, ItemID),
    CONSTRAINT fk_orderitem_order
        FOREIGN KEY (OrderID)
        REFERENCES Orders(OrderID)
        ON DELETE CASCADE
        ON UPDATE CASCADE,
    CONSTRAINT fk_orderitem_item
        FOREIGN KEY (ItemID)
        REFERENCES Food_Item(ItemID)
        ON DELETE RESTRICT
        ON UPDATE CASCADE
);

/*PART 1: INSERTING DATA */

INSERT INTO Customer (FirstName, LastName, Phone, Email,
StreetAddress, City, State, ZipCode)
VALUES
('Jemmy', 'Roque', '111-333-4444', 'jemmy.roque@email.com', '900 Sun
St', 'Tempe', 'AZ', '85281'),
('AC', 'Lowery', '111-222-2222', 'ac.lowery@email.com', '99 Moon Ave',
'Phoenix', 'AZ', '85001'),
('Jack', 'Yokes', '555-555-5555', 'jack.yokes@email.com', '101 Star
Rd', 'Mesa', 'AZ', '85201');

SELECT CustomerID INTO @custJ FROM Customer WHERE FirstName='Jemmy'
AND LastName='Roque' LIMIT 1;
```

```
SELECT CustomerID INTO @custA FROM Customer WHERE FirstName='AC'
AND LastName='Lowery' LIMIT 1;

SELECT CustomerID INTO @custK FROM Customer WHERE FirstName='Jack'
AND LastName='Yokes' LIMIT 1;


INSERT INTO Food_Item (ItemName, BasePrice)

VALUES

('Pepperoni Pizza', 12.99),

('Veggie Pizza', 11.99),

('Hawaiian Pizza', 13.49),

('Garlic Bread Sticks', 5.49),

('Cinnamon Bread Sticks', 5.99),

('Cheese Bread Sticks', 6.49),

('Cola Soda', 2.49),

('Orange Soda', 2.49),

('Diet Cola', 2.49);


SELECT ItemID INTO @pep FROM Food_Item WHERE ItemName='Pepperoni
Pizza' LIMIT 1;

SELECT ItemID INTO @veg FROM Food_Item WHERE ItemName='Veggie Pizza'
LIMIT 1;

SELECT ItemID INTO @haw FROM Food_Item WHERE ItemName='Hawaiian Pizza'
LIMIT 1;


SELECT ItemID INTO @gar FROM Food_Item WHERE ItemName='Garlic Bread
Sticks' LIMIT 1;

SELECT ItemID INTO @cin FROM Food_Item WHERE ItemName='Cinnamon Bread
Sticks' LIMIT 1;
```

```
SELECT ItemID INTO @che FROM Food_Item WHERE ItemName='Cheese Bread
Sticks' LIMIT 1;


SELECT ItemID INTO @cola   FROM Food_Item WHERE ItemName='Cola Soda'
LIMIT 1;

SELECT ItemID INTO @orange FROM Food_Item WHERE ItemName='Orange Soda'
LIMIT 1;

SELECT ItemID INTO @diet   FROM Food_Item WHERE ItemName='Diet Cola'
LIMIT 1;


INSERT INTO Pizza (ItemID, Type)

VALUES

(@pep, 'Pepperoni'),

(@veg, 'Veggie'),

(@haw, 'Hawaiian');


INSERT INTO Bread_Stick (ItemID, FlavorType)

VALUES

(@gar, 'Garlic'),

(@cin, 'Cinnamon'),

(@che, 'Cheese');


INSERT INTO Soda (ItemID, Brand, SugarGrams)

VALUES

(@cola, 'Cola', 39),

(@orange, 'Orange', 42),

(@diet, 'DietCola', 0);
```

```
INSERT INTO Orders (CustomerID, OrderDateTime, TotalAmount)
VALUES
(@custJ, '2026-02-05 12:15:00', 18.47),
(@custA, '2026-02-05 13:05:00', 27.97),
(@custK, '2026-02-05 18:30:00', 16.48);

SELECT OrderID INTO @o1
FROM Orders
WHERE CustomerID=@custJ AND OrderDateTime='2026-02-05 12:15:00'
LIMIT 1;

SELECT OrderID INTO @o2
FROM Orders
WHERE CustomerID=@custA AND OrderDateTime='2026-02-05 13:05:00'
LIMIT 1;

SELECT OrderID INTO @o3
FROM Orders
WHERE CustomerID=@custK AND OrderDateTime='2026-02-05 18:30:00'
LIMIT 1;

INSERT INTO Order_Item (OrderID, ItemID, Size, Quantity, UnitPrice)
VALUES
(@o1, @pep,   'Large',  1, 12.99),
(@o1, @cola,  'Can',    1,  2.49),
(@o2, @veg,   'Medium', 1, 11.99),
(@o2, @gar,   'Reg',    1,  5.49),
```

```
(@o2, @orange,'Can',    1,  2.49),
(@o3, @cin,   'Reg',    1,  5.99),
(@o3, @diet,  'Can',    1,  2.49);

/* PART 2: MODIFYING DATA */

UPDATE Customer
SET Phone = '555-299-8888'
WHERE CustomerID = @custJ;

UPDATE Orders
SET TotalAmount = 99.98
WHERE OrderID = @o1;

UPDATE Food_Item
SET BasePrice = 14.99
WHERE ItemID = @pep;

UPDATE Pizza
SET Type = 'Pepperoni Extra'
WHERE ItemID = @pep;

UPDATE Bread_Stick
SET FlavorType = 'Garlic Onion Butter'
WHERE ItemID = @gar;

UPDATE Soda
```

```
SET SugarGrams = 50
WHERE ItemID = @cola;

UPDATE Order_Item
SET Quantity = 9
WHERE OrderID = @o1 AND ItemID = @cola;

/* PART 3: DELETING DATA*/

DELETE FROM Orders
WHERE OrderID = @o1;

/* CHECK RESULTS */

SELECT * FROM Customer;
SELECT * FROM Orders;
SELECT * FROM Food_Item;
SELECT * FROM Pizza;
SELECT * FROM Bread_Stick;
SELECT * FROM Soda;
SELECT * FROM Order_Item;
```