

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);
```

The screenshot shows the MySQL Workbench interface. The left sidebar displays the database schema with objects like `sys`, `Tables`, `Stored Procedures`, and `Functions`. The main workspace shows a query editor with the following SQL code:

```
1 USE pizza_dB;
2 GO
3 IF OBJECT_ID('dbo.Customer') IS NOT NULL
4 BEGIN
5     PRINT 'Dropping table Customer';
6     DROP TABLE dbo.Customer;
7 END
8 GO
9 IF OBJECT_ID('dbo.Order') IS NOT NULL
10 BEGIN
11     PRINT 'Dropping table Order';
12     DROP TABLE dbo.Order;
13 END
14 GO
15 IF OBJECT_ID('dbo.OrderDetail') IS NOT NULL
16 BEGIN
17     PRINT 'Dropping table OrderDetail';
18     DROP TABLE dbo.OrderDetail;
19 END
20 GO
21 CREATE TABLE Customer (
22     CustomerID INT AUTO_INCREMENT PRIMARY KEY,
23     FirstName VARCHAR(50) NOT NULL,
24     LastName VARCHAR(50) NOT NULL,
25     Phone VARCHAR(20) NOT NULL,
26     Email VARCHAR(50) NOT NULL,
27     StreetAddress VARCHAR(100) NOT NULL,
28     City VARCHAR(50) NOT NULL,
29     State VARCHAR(20) NOT NULL,
30     ZipCode VARCHAR(10) NOT NULL
31 );
```

Below the code, a table grid displays the data for the `Customer` table:

CustomerID	FirstName	LastName	Phone	Email	StreetAddress	City	State	ZipCode
1	Jenny	Roque	555-202-4999	jenny.roque@email.com	999 Sun St	Tempe	AZ	85381
2	AC	Loveray	111-222-2222	ac.loveray@email.com	99 Moon Ave	Phoenix	AZ	85001
3	Jake	Shack	666-555-5555	jake.shack@email.com	123 Star Rd	Mesa	AZ	85201

The bottom navigation bar includes tabs for Customer, Order, Prod_Item, Pizza, Bread_Shock, Side, Order, and Order_Item.

Figure 1 Customer

The screenshot shows the SSMS interface with the following details:

- Title Bar:** Local instance MySQDB4... X
- Menu Bar:** File, Edit, View, **Query**, Database, Server, Tools, Scripting, Help
- Schemas:** sys, Information, Views, Stored Procedures, Functions
- Object Explorer:** Lab part 2 > [Navigation icons] List until 2000 rows [Search icons]
- Script Editor:** A large pane containing T-SQL code for creating a database and a table.

```
1 USE [AdventureworksLT]
2 GO
3 IF EXISTS (SELECT name FROM sys.databases WHERE name = 'PizzaOrderingDB')
4 BEGIN
5     DROP DATABASE PizzaOrderingDB;
6 END
7 GO
8 CREATE DATABASE PizzaOrderingDB;
9 GO
10 USE PizzaOrderingDB;
11 GO
12
13 -- CREATE TABLE Customer (
14     CustomerID INT AUTO_INCREMENT PRIMARY KEY,
15     FirstName VARCHAR(50) NOT NULL,
16     LastName VARCHAR(50) NOT NULL,
17     MiddleName VARCHAR(50) NOT NULL,
18     Email VARCHAR(100),
19     StreetAddress VARCHAR(100) NOT NULL,
20     City VARCHAR(50) NOT NULL,
21     State VARCHAR(20) NOT NULL,
```
- Data Grid:** A table showing OrderID, CustomerID, OrderDate, and TotalAmount.

OrderID	CustomerID	OrderDate	TotalAmount
1	1	2008-03-05 13:15:00	27.97
2	2	2008-03-05 13:00:00	27.97
3	3	2008-03-05 13:00:00	27.97

- Toolbars:** Standard toolbar with icons for New Query, Save, Print, etc.
- Help:** Automatic context help disabled. Use the toolbar manually get help for the current caret position on the tooltip automatic help.
- Bottom Navigation:** Administration, Schemas, Information, Customer #, Orders #, Food_Item ID, Pizza 11, Bread_Stick 12, Spuds 13, Order_Item 14, Apply, Revert, Contact Help, Snippets.

Figure 2 Orders

The screenshot shows the MySQL Workbench interface. The top menu bar includes File, Edit, View, New, Query, Database, Server, Tools, Scripting, Help, and a separator line. Below the menu is a toolbar with various icons for database management tasks. The left sidebar displays the 'Schemas' tree, which includes the 'Local instance MySQL8 - InnoDB' database and its tables: Employees, Customers, and Orders. The main workspace is divided into two panes. The left pane contains the SQL Editor with the following script:

```
1 USE ``;
2 
3 /*-----*/
4 -- Lab 10
5 -- Lab 3
6 -- Professor Asmaa Elshatory
7 -- February 5, 2026
8 /*
9 * DROP DATABASE IF EXISTS PizzaOrdering0;
10 * CREATE DATABASE PizzaOrdering0;
11 * USE PizzaOrdering0;
12 *
13 * CREATE TABLE Customer (
14 *     CustomerID INT AUTO_INCREMENT PRIMARY KEY,
15 *     FirstName VARCHAR(50) NOT NULL,
16 *     LastName VARCHAR(50) NOT NULL,
17 *     Phone VARCHAR(20) NOT NULL,
18 *     Email VARCHAR(50) NOT NULL,
19 *     StreetAddress VARCHAR(100) NOT NULL,
20 *     City VARCHAR(50) NOT NULL,
21 *     State VARCHAR(20) NOT NULL,
22 * );

```

The right pane is titled 'Results Grid' and shows a table with the following data:

ItemID	ItemName	BasePrice
1	Pepperoni Pizza	13.99
2	Mushroom Pizza	13.99
3	Hawaiian Pizza	13.49
4	Garlic Bread	5.49
5	Cheese Bread Sticks	5.99
6	Cheese Bread Sticks	6.99
7	Coke Soda	2.49
8	Orange Soda	2.49
9	Diet Coke	2.49

On the far right, there are several floating toolbars for 'SQL Additions', 'Jump to', 'Automatic context help disabled', 'Form Editor', and 'Field Types'. The bottom navigation bar includes tabs for 'Information', 'Customer 8', 'Orders 10', 'Food_Item 10 x', 'Puzzles 11', 'Bread_Stick 12', 'Soda 13', 'Order_Item 14', 'Apply', 'Revert', 'Context Help', and 'Snippets'.

Figure 3 Food_Item

The screenshot shows the MySQL Workbench interface. The top menu bar includes File, Edit, View, Query, Database, Server, Tools, Scripting, Help, and a toolbar with various icons. The left sidebar displays the 'Schemas' tree, which includes the 'Lab' schema with tables like 'Customer', 'Food_Item', 'Order', and 'Order_Item'. The main workspace contains a SQL editor with the following script:

```

1 * /-
2 * Simple Roque
3 * 2017-200
4 * Lab 5
5 * Professor: Alexei Elbormey
6 * February 5, 2026
7 */
8
9 * DROP DATABASE IF EXISTS PizzaOrderingDB;
10 * CREATE DATABASE PizzaOrderingDB;
11 * USE PizzaOrderingDB;
12
13 * CREATE TABLE Customer (
14 *     CustomerID INT AUTO_INCREMENT PRIMARY KEY,
15 *     FirstName VARCHAR(50) NOT NULL,
16 *     LastName VARCHAR(50) NOT NULL,
17 *     Phone VARCHAR(20) NOT NULL,
18 *     Email VARCHAR(100),
19 *     StreetAddress VARCHAR(100) NOT NULL,
20 *     City VARCHAR(50) NOT NULL,
21 *     State VARCHAR(20) NOT NULL,

```

Below the script is a 'Result Grid' table showing data for the 'Food_Item' table:

ItemID	Type
1	Vegetarian Extra
2	Veggie
3	Hawaiian
4	Cheese

The bottom navigation bar includes tabs for Administration, Schemas, Information, Customer 8, Orders 9, Food_Item 10, Pizza 11, Bread_Stick 12, Soda 13, Order_Item 14, Apply, Refresh, Context Help, and Snippets.

Figure 4 Pizza

The screenshot shows the MySQL Workbench interface with the following details:

- Navigator:** Shows the schema structure with tables, views, stored procedures, and functions.
- SQL Editor:** Displays the SQL code for creating the database and tables. The code includes dropping the database if it exists, creating a new database named PizzaOrdering08, and using it. It then creates a table named Customer with columns: CustomerID (auto-increment primary key), Firstname, Lastname, Phone, Email, StreetAddress, City, State, and Zipcode.
- Result Grid:** Shows the data for the Bread_Sticks table, which has columns ItemID and FlavorType. The data includes rows for Garlic Butter, Cinnamon, Cheese, and Cilantro.
- Bottom Navigation:** Includes tabs for Customer, Orders, Food_Item, Pizza, Bread_Stick, Soda, and Order_Item.

Figure 5 Bread_Sticks

The screenshot shows the MySQL Workbench interface with the following details:

- Navigator:** Shows the schema structure with tables, views, stored procedures, and functions.
- SQL Editor:** Displays the SQL code for creating the database and tables. The code includes dropping the database if it exists, creating a new database named PizzaOrdering08, and using it. It then creates a table named Customer with columns: CustomerID (auto-increment primary key), Firstname, Lastname, Phone, Email, StreetAddress, City, State, and Zipcode.
- Result Grid:** Shows the data for the Soda table, which has columns ItemID, Brand, and SugrGrans. The data includes rows for Cola (38), Orange (42), DietCola (0), and Soda (0).
- Bottom Navigation:** Includes tabs for Customer, Orders, Food_Item, Pizza, Bread_Stick, Soda, and Order_Item.

Figure 6 Soda

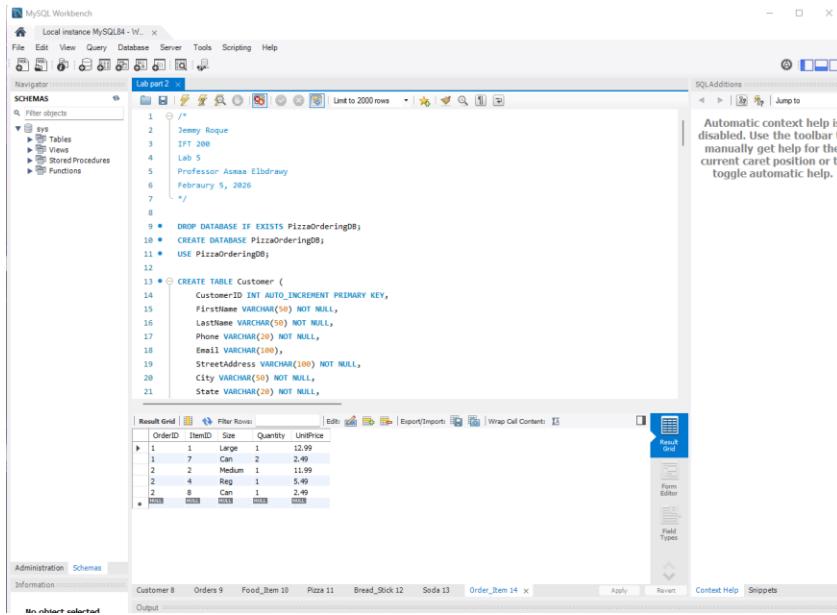


Figure 7 Order_Item

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;

```

The screenshot shows the MySQL Workbench interface. In the top-left, the Navigator pane displays the schema 'sys' with tables, views, stored procedures, and functions. The main area, titled 'Lab part 2', contains a SQL editor with the following code:

```

1 /* 
2  * Name: Jemmy Roque
3  * Course: IFT 200
4  * Lab: Lab 5
5  * Professor: Asmaa Elbdrawy
6  * Date: February 5, 2026
7 */
8
9 DROP DATABASE IF EXISTS PizzaOrderingDB;
10 CREATE DATABASE PizzaOrderingDB;
11 USE PizzaOrderingDB;
12
13 CREATE TABLE Customer (
14     CustomerID INT AUTO_INCREMENT PRIMARY KEY,
15     FirstName VARCHAR(50) NOT NULL,
16     LastName VARCHAR(50) NOT NULL,
17     Phone VARCHAR(20) NOT NULL,
18     Email VARCHAR(100),
19     StreetAddress VARCHAR(100) NOT NULL,
20     City VARCHAR(50) NOT NULL,
21     State VARCHAR(20) NOT NULL,

```

Below the code is a 'Result Grid' showing data for the 'Customer' table:

CustomerID	FirstName	LastName	Phone	Email	StreetAddress	City	State	ZipCode
1	Jemmy	Roque	555-299-8888	jenny.roque@email.com	900 Sun St	Tempe	AZ	85281
2	AC	Lowery	111-222-2222	ac.lowery@email.com	99 Moon Ave	Phoenix	AZ	85001
3	Jack	Yokes	555-555-5555	jack.yokes@email.com	101 Star Rd	Mesa	AZ	85201
4								

Figure 8 PHONE change for JEMMY ROQUE

The screenshot shows the MySQL Workbench interface. In the top-left, the Navigator pane displays the schema 'sys' with tables, views, stored procedures, and functions. The main area, titled 'Lab part 2', contains a SQL editor with the same code as Figure 8:

```

1 /* 
2  * Name: Jemmy Roque
3  * Course: IFT 200
4  * Lab: Lab 5
5  * Professor: Asmaa Elbdrawy
6  * Date: February 5, 2026
7 */
8
9 DROP DATABASE IF EXISTS PizzaOrderingDB;
10 CREATE DATABASE PizzaOrderingDB;
11 USE PizzaOrderingDB;
12
13 CREATE TABLE Customer (
14     CustomerID INT AUTO_INCREMENT PRIMARY KEY,
15     FirstName VARCHAR(50) NOT NULL,
16     LastName VARCHAR(50) NOT NULL,
17     Phone VARCHAR(20) NOT NULL,
18     Email VARCHAR(100),
19     StreetAddress VARCHAR(100) NOT NULL,
20     City VARCHAR(50) NOT NULL,
21     State VARCHAR(20) NOT NULL,

```

Below the code is a 'Result Grid' showing data for the 'Customer' table:

CustomerID	OrderID	OrderDateTime	TotalAmount
1	1	2026-02-05 12:15:00	99.98
2	2	2026-02-05 13:05:00	27.97
3			

Figure 9 Order Total Amount Change 99.98

The screenshot shows the MySQL Workbench interface. In the top-left, the Navigator pane lists the schema 'sys' with its tables, views, stored procedures, and functions. The main SQL editor window contains a script titled 'Lab part 2' with the following code:

```

1  /*
2  2  Name: Jenny Roque
3  3  Course: IPT 280
4  4  Lab: Lab 5
5  5  Professor: Asmaa Elbdawy
6  6  Date: February 5, 2026
7  7 */
8
9  DROP DATABASE IF EXISTS PizzaOrderingDB;
10 CREATE DATABASE PizzaOrderingDB;
11 USE PizzaOrderingDB;
12
13 CREATE TABLE Customer (
14     CustomerID INT AUTO_INCREMENT PRIMARY KEY,
15     FirstName VARCHAR(50) NOT NULL,
16     LastName VARCHAR(50) NOT NULL,
17     Phone VARCHAR(20) NOT NULL,
18     Email VARCHAR(100),
19     StreetAddress VARCHAR(100) NOT NULL,
20     City VARCHAR(50) NOT NULL,
21     State VARCHAR(20) NOT NULL,
22 );

```

Below the script is a Result Grid showing a list of items with their ItemID, ItemName, and BasePrice:

ItemID	ItemName	BasePrice
1	Pepperoni Pizza	14.99
2	Veggie Pizza	11.99
3	Hawaiian Pizza	14.99
4	Garlic Bread Sticks	5.49
5	Cinnamon Bread Sticks	5.99
6	Cheese Bread Sticks	6.49
7	Cola Soda	2.49
8	Orange Soda	2.49
9	Diet Cola	2.49
10	Water	0.00

Figure 10 Pepperoni Pizza Price Change to 14.99

The screenshot shows the MySQL Workbench interface. The SQL editor window contains the following UPDATE query:

```

192 UPDATE Food_Item
193 SET BasePrice = 14.99
194 WHERE ItemID = @pep;
195
196 UPDATE Pizza
197 SET Type = 'Pepperoni Extra'
198 WHERE ItemID = @pep;
199
200 UPDATE Bread_Stick
201 SET FlavorType = 'Garlic Onion Butter'
202 WHERE ItemID = @gar;
203
204 UPDATE Soda
205 SET SugarGrams = 50
206 WHERE ItemID = @cola;
207
208 UPDATE Order_Item
209 SET Quantity = 0
210 WHERE OrderID = @o1 AND ItemID = @cola;
211
212 /*

```

Below the query is a Result Grid showing a list of items with their ItemID and FlavorType:

ItemID	FlavorType
4	Garlic Onion Butter
5	Cinnamon
6	Cheese
10	Water

Figure 11 Garlic Onion Butter

The screenshot shows the MySQL Workbench interface with a query editor titled 'Lab part 2'. The code being run is:

```

192 UPDATE Food_Item
193 SET BasePrice = 14.99
194 WHERE ItemID = @pep;
195
196 UPDATE Pizza
197 SET Type = 'Pepperoni Extra'
198 WHERE ItemID = @pep;
199
200 UPDATE Bread_Stick
201 SET FlavorType = 'Garlic Onion Butter'
202 WHERE ItemID = @gar;
203
204 UPDATE Soda
205 SET SugarGrams = 50
206 WHERE ItemID = @cola;
207
208 UPDATE Order_Item
209 SET Quantity = 9
210 WHERE OrderID = @o1 AND ItemID = @cola;
211
212 /*

```

The 'Result Grid' pane shows the results of the update query:

ItemID	Brand	SugarGrams
7	Cola	50
8	Orange	42
9	DietCola	0
NULL	NULL	NULL

Figure 12 Soda Cola sugar grams change to 50

The screenshot shows the MySQL Workbench interface with a query editor titled 'Lab part 2'. The code being run is:

```

195
196 UPDATE Pizza
197 SET Type = 'Pepperoni Extra'
198 WHERE ItemID = @pep;
199
200 UPDATE Bread_Stick
201 SET FlavorType = 'Garlic Onion Butter'
202 WHERE ItemID = @gar;
203
204 UPDATE Soda
205 SET SugarGrams = 50
206 WHERE ItemID = @cola;
207
208 UPDATE Order_Item
209 SET Quantity = 9
210 WHERE OrderID = @o1 AND ItemID = @cola;
211
212 /*
213 PART III: DELETING DATA
214 */
215

```

The 'Result Grid' pane shows the results of the update query:

OrderID	ItemID	Size	Quantity	UnitPrice
1	1	Large	1	12.99
1	7	Can	9	2.49
2	2	Medium	1	11.99
2	4	Reg	1	5.49
2	8	Can	1	2.49
NULL	NULL	NULL	NULL	NULL

Figure 13 Can Quantity Change 9

Part 3: Deleting Data

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

The screenshot shows the MySQL Workbench interface. In the SQL tab, the following code is run:

```
1 /*  
2  Name: Jenny Roque  
3  Course: IFT 200  
4  Lab: Lab 5  
5  Professor: Asmaa Elbdrawy  
6  Date: February 5, 2026  
7 */  
8  
9  DROP DATABASE IF EXISTS PizzaOrderingDB;  
10 CREATE DATABASE PizzaOrderingDB;  
11 USE PizzaOrderingDB;  
12  
13  CREATE TABLE Customer (  
14      CustomerID INT AUTO_INCREMENT PRIMARY KEY,  
15      FirstName VARCHAR(50) NOT NULL,  
16      LastName VARCHAR(50) NOT NULL,  
17      Phone VARCHAR(20) NOT NULL,  
18      Email VARCHAR(100),  
19      StreetAddress VARCHAR(100) NOT NULL,  
20      City VARCHAR(50) NOT NULL,  
21      State VARCHAR(20) NOT NULL,
```

In the Results Grid, the following data is shown:

OrderID	ItemID	Size	Quantity	UnitPrice
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 14 Large can deleted.

The screenshot shows the MySQL Workbench interface. In the SQL tab, the following code is run:

```
133 SET Type = 'Pepperoni Extra'  
134 WHERE ItemID = @pep;  
135  
136 • UPDATE Bread_Stick  
137     SET flavorType = 'Garlic Onion Butter'  
138     WHERE ItemID = @gar;  
139  
140 • UPDATE Soda  
141     SET SugarGrams = 50  
142     WHERE ItemID = @cola;  
143  
144 • UPDATE Order_Item  
145     SET Quantity = 9  
146     WHERE OrderID = @o1 AND ItemID = @cola;  
147  
148 /* PART III: DELETING DATA*/  
149  
150 • DELETE FROM Orders  
151     WHERE OrderID = @o1;  
152  
153 /* CHECK RESULTS */
```

In the Results Grid, the following data is shown:

OrderID	CustomerID	OrderDateTime	TotalAmount
2	2	2026-02-05 12:05:00	27.97
3	3	2026-02-05 18:30:00	26.48

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;
```