-- Select the database

-- USE OrdersDB;

-- Drop tables if they already exist to avoid conflicts

**DROP** **TABLE** **IF** **EXISTS** OrderDetails;

**DROP** **TABLE** **IF** **EXISTS** Orders;

**DROP** **TABLE** **IF** **EXISTS** Products;

**DROP** **TABLE** **IF** **EXISTS** Customers;

-- Create the Customers table

**CREATE** **TABLE** Customers (

CustomerID **INT** AUTO\_INCREMENT **PRIMARY** **KEY**,

CustomerName **VARCHAR**(100) **NOT** **NULL**,

Country **VARCHAR**(50) **NOT** **NULL**

);

-- Create the Orders table

**CREATE** **TABLE** Orders (

OrderID **INT** AUTO\_INCREMENT **PRIMARY** **KEY**,

CustomerID **INT** **NOT** **NULL**,

OrderDate **DATE** **NOT** **NULL**,

**FOREIGN** **KEY** (CustomerID) **REFERENCES** Customers(CustomerID)

);

-- Create the Products table

**CREATE** **TABLE** Products (

ProductID **INT** AUTO\_INCREMENT **PRIMARY** **KEY**,

ProductName **VARCHAR**(100) **NOT** **NULL**,

Category **VARCHAR**(50) **NOT** **NULL**

);

-- Create the OrderDetails table

**CREATE** **TABLE** OrderDetails (

OrderID **INT** **NOT** **NULL**,

ProductID **INT** **NOT** **NULL**,

Quantity **INT** **NOT** **NULL**,

Price **DECIMAL**(10, 2) **NOT** **NULL**,

**PRIMARY** **KEY** (OrderID, ProductID),

**FOREIGN** **KEY** (OrderID) **REFERENCES** Orders(OrderID),

**FOREIGN** **KEY** (ProductID) **REFERENCES** Products(ProductID)

);

**Inserting Values**

**-- Insert sample data into Customers**

**INSERT** **INTO** Customers (CustomerName, Country)

**VALUES**

('Alice', 'USA'),

('Bob', 'UK'),

('Charlie', 'India'),

('David', 'Australia'),

('Emma', 'Canada'),

('Fiona', 'Germany'),

('George', 'France'),

('Hannah', 'Japan');

-- Insert sample data into Products

**INSERT** **INTO** Products (ProductName, Category)

**VALUES**

('Laptop', 'Electronics'),

('Smartphone', 'Electronics'),

('Desk', 'Furniture'),

('Chair', 'Furniture'),

('Pen', 'Stationery'),

('Notebook', 'Stationery'),

('Monitor', 'Electronics'),

('Keyboard', 'Electronics');

-- Insert sample data into Orders

**INSERT** **INTO** Orders (CustomerID, OrderDate)

**VALUES**

(1, '2024-12-01'),

(2, '2024-12-02'),

(3, '2024-12-03'),

(4, '2024-12-04'),

(5, '2024-12-05'),

(6, '2024-12-06'),

(7, '2024-12-07'),

(8, '2024-12-08');

-- Insert sample data into OrderDetails

**INSERT** **INTO** OrderDetails (OrderID, ProductID, Quantity, Price)

**VALUES**

(1, 1, 2, 1200.00), -- 2 Laptops

(1, 2, 1, 800.00), -- 1 Smartphone

(2, 3, 1, 150.00), -- 1 Desk

(3, 4, 4, 75.00), -- 4 Chairs

(4, 5, 10, 1.50), -- 10 Pens

(5, 6, 5, 3.00), -- 5 Notebooks

(6, 7, 2, 200.00), -- 2 Monitors

(7, 8, 3, 50.00), -- 3 Keyboards

(8, 1, 1, 1200.00), -- 1 Laptop

(8, 2, 2, 800.00); -- 2 Smartphones