CREATE TABLE Customers (

CustomerID INT AUTO\_INCREMENT PRIMARY KEY,

FirstName VARCHAR(50) NOT NULL,

LastName VARCHAR(50) NOT NULL,

DateOfBirth DATE NOT NULL UNIQUE

);

INSERT INTO Customers (FirstName, LastName, DateOfBirth)

VALUES ('Сергей', 'Масло', '1967-01-01');

CREATE TABLE Products (

ProductID INT AUTO\_INCREMENT PRIMARY KEY,

ProductName VARCHAR(100) NOT NULL,

Price DECIMAL(10, 2) NOT NULL

);

INSERT INTO Products (ProductName, Price)

VALUES ('Масло', 1500.00);

CREATE TABLE Orders (

OrderID INT AUTO\_INCREMENT PRIMARY KEY,

CustomerID INT NOT NULL,

OrderDate DATE NOT NULL,

FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)

);

INSERT INTO Orders (CustomerID, OrderDate)

VALUES (1, '2024-01-26');

CREATE TABLE OrderDetails (

OrderDetailID INT AUTO\_INCREMENT PRIMARY KEY,

OrderID INT NOT NULL,

ProductID INT NOT NULL,

Quantity INT NOT NULL,

FOREIGN KEY (OrderID) REFERENCES Orders(OrderID),

FOREIGN KEY (ProductID) REFERENCES Products(ProductID)

);

INSERT INTO OrderDetails (OrderID, ProductID, Quantity)

VALUES (1, 1, 1);

SELECT

c.FirstName,

c.LastName,

COUNT(o.OrderID) AS TotalOrders

FROM Customers c

LEFT JOIN Orders o ON c.CustomerID = o.CustomerID

GROUP BY c.CustomerID, c.FirstName, c.LastName

ORDER BY TotalOrders DESC;

SELECT

c.FirstName,

c.LastName,

SUM(od.Quantity \* p.Price) AS TotalSpent

FROM Customers c

LEFT JOIN Orders o ON c.CustomerID = o.CustomerID

LEFT JOIN OrderDetails od ON o.OrderID = od.OrderID

LEFT JOIN Products p ON od.ProductID = p.ProductID

GROUP BY c.CustomerID, c.FirstName, c.LastName

ORDER BY TotalSpent DESC;

SELECT

c.FirstName,

c.LastName

FROM Customers c

JOIN Orders o ON c.CustomerID = o.CustomerID

JOIN OrderDetails od ON o.OrderID = od.OrderID

GROUP BY c.CustomerID, c.FirstName, c.LastName

HAVING SUM(od.Quantity) = 1;

