-- CREATE TABLE Farmers (

-- FarmerID INT PRIMARY KEY,

-- Name VARCHAR(100),

-- Location VARCHAR(100),

-- ContactInfo VARCHAR(100)

-- );

-- Sample Data

-- INSERT INTO Farmers (FarmerID, Name, Location, ContactInfo) VALUES

-- (3, 'Peter Otieno', 'Kisumu', 'peter@example.com'),

-- (4, 'Mary Wambui', 'Nakuru', 'mary@example.com'),

-- (5, 'Paul Mwangi', 'Eldoret', 'paul@example.com'),

-- (6, 'Lucy Kamau', 'Thika', 'lucy@example.com'),

-- (7, 'Daniel Kiptoo', 'Kitale', 'daniel@example.com'),

-- (8, 'Grace Njoroge', 'Naivasha', 'grace@example.com'),

-- (9, 'David Omondi', 'Machakos', 'david@example.com'),

-- (10, 'Elizabeth Cheruiyot', 'Kericho', 'elizabeth@example.com');

-- Create Products Table

/\*CREATE TABLE Products (

ProductID INT PRIMARY KEY,

FarmerID INT,

ProductName VARCHAR(100),

Quantity INT,

Price DECIMAL(10, 2),

Category VARCHAR(50),

FOREIGN KEY (FarmerID) REFERENCES Farmers(FarmerID)

);

-- Insert Sample Data into Products Table

INSERT INTO Products (ProductID, FarmerID, ProductName, Quantity, Price, Category) VALUES

(1, 1, 'Tomatoes', 100, 0.50, 'Vegetables'),

(2, 2, 'Potatoes', 200, 0.30, 'Vegetables'),

(3, 3, 'Maize', 150, 0.40, 'Cereals'),

(4, 4, 'Carrots', 120, 0.25, 'Vegetables'),

(5, 5, 'Cabbages', 180, 0.20, 'Vegetables'),

(6, 6, 'Onions', 140, 0.35, 'Vegetables'),

(7, 7, 'Beans', 160, 0.45, 'Cereals'),

(8, 8, 'Spinach', 90, 0.55, 'Vegetables'),

(9, 9, 'Bananas', 130, 0.60, 'Fruits'),

(10, 10, 'Oranges', 110, 0.70, 'Fruits');

-- Create Consumers Table

CREATE TABLE Consumers (

ConsumerID INT PRIMARY KEY,

Name VARCHAR(100),

Location VARCHAR(100),

ContactInfo VARCHAR(100)

);

-- Create Orders Table

CREATE TABLE Orders (

OrderID INT PRIMARY KEY,

ProductID INT,

ConsumerID INT,

OrderDate DATE,

Quantity INT,

TotalPrice DECIMAL(10, 2),

Status VARCHAR(50),

FOREIGN KEY (ProductID) REFERENCES Products(ProductID),

FOREIGN KEY (ConsumerID) REFERENCES Consumers(ConsumerID)

);

-- Create Distribution Centers Table

CREATE TABLE DistributionCenters (

CenterID INT PRIMARY KEY,

Location VARCHAR(100),

Capacity INT

);

-- Create Drivers Table

CREATE TABLE Drivers (

DriverID INT PRIMARY KEY,

Name VARCHAR(100),

VehicleType VARCHAR(50),

ContactInfo VARCHAR(100)

);

-- Create Deliveries Table

CREATE TABLE Deliveries (

DeliveryID INT PRIMARY KEY,

OrderID INT,

DriverID INT,

CenterID INT,

DeliveryDate DATE,

Status VARCHAR(50),

FOREIGN KEY (OrderID) REFERENCES Orders(OrderID),

FOREIGN KEY (DriverID) REFERENCES Drivers(DriverID),

FOREIGN KEY (CenterID) REFERENCES DistributionCenters(CenterID)

);

INSERT INTO Consumers (ConsumerID, Name, Location, ContactInfo) VALUES

(1, 'Alice Johnson', 'Nairobi', 'alice@example.com'),

(2, 'Michael Brown', 'Mombasa', 'michael@example.com'),

(3, 'Chris Davis', 'Kisumu', 'chris@example.com'),

(4, 'Nancy Wilson', 'Nakuru', 'nancy@example.com'),

(5, 'Robert Lee', 'Eldoret', 'robert@example.com'),

(6, 'Sandra Moore', 'Thika', 'sandra@example.com'),

(7, 'Henry Clark', 'Kitale', 'henry@example.com'),

(8, 'Linda King', 'Naivasha', 'linda@example.com'),

(9, 'Steven Adams', 'Machakos', 'steven@example.com'),

(10, 'Karen White', 'Kericho', 'karen@example.com');

-- Insert Sample Data into Orders Table

INSERT INTO Orders (OrderID, ProductID, ConsumerID, OrderDate, Quantity, TotalPrice, Status) VALUES

(1, 1, 1, '2024-08-01', 50, 25.00, 'Pending'),

(2, 2, 2, '2024-08-02', 100, 30.00, 'Completed'),

(3, 3, 3, '2024-08-03', 75, 30.00, 'Pending'),

(4, 4, 4, '2024-08-04', 60, 15.00, 'Shipped'),

(5, 5, 5, '2024-08-05', 90, 18.00, 'Completed'),

(6, 6, 6, '2024-08-06', 70, 24.50, 'Pending'),

(7, 7, 7, '2024-08-07', 80, 36.00, 'Cancelled'),

(8, 8, 8, '2024-08-08', 45, 24.75, 'Shipped'),

(9, 9, 9, '2024-08-09', 65, 39.00, 'Completed'),

(10, 10, 10, '2024-08-10', 55, 38.50, 'Pending');

-- Insert Sample Data into Distribution Centers Table

INSERT INTO DistributionCenters (CenterID, Location, Capacity) VALUES

(1, 'Nairobi', 500),

(2, 'Mombasa', 400),

(3, 'Kisumu', 450),

(4, 'Nakuru', 350),

(5, 'Eldoret', 300),

(6, 'Thika', 200),

(7, 'Kitale', 250),

(8, 'Naivasha', 150),

(9, 'Machakos', 180),

(10, 'Kericho', 220);

-- Insert Sample Data into Drivers Table

INSERT INTO Drivers (DriverID, Name, VehicleType, ContactInfo) VALUES

(1, 'James Ochieng', 'Truck', 'james@drivers.com'),

(2, 'Philip Mwenda', 'Van', 'philip@drivers.com'),

(3, 'David Kamau', 'Bike', 'david@drivers.com'),

(4, 'Samuel Njeri', 'Truck', 'samuel@drivers.com'),

(5, 'Andrew Muthoni', 'Van', 'andrew@drivers.com'),

(6, 'Peter Kipchoge', 'Bike', 'peter@drivers.com'),

(7, 'George Ngugi', 'Truck', 'george@drivers.com'),

(8, 'Kennedy Juma', 'Van', 'kennedy@drivers.com'),

(9, 'Josephine Wambui', 'Bike', 'josephine@drivers.com'),

(10, 'Francis Ndungu', 'Truck', 'francis@drivers.com');

-- Insert Sample Data into Deliveries Table

INSERT INTO Deliveries (DeliveryID, OrderID, DriverID, CenterID, DeliveryDate, Status) VALUES

(1, 1, 1, 1, '2024-08-11', 'In Transit'),

(2, 2, 2, 2, '2024-08-12', 'Delivered'),

(3, 3, 3, 3, '2024-08-13', 'In Transit'),

(4, 4, 4, 4, '2024-08-14', 'In Transit'),

(5, 5, 5, 5, '2024-08-15', 'Delivered'),

(6, 6, 6, 6, '2024-08-16', 'In Transit'),

(7, 7, 7, 7, '2024-08-17', 'Cancelled'),

(8, 8, 8, 8, '2024-08-18', 'Delivered'),

(9, 9, 9, 9, '2024-08-19', 'Delivered'),

(10, 10, 10, 10, '2024-08-20', 'In Transit');

SELECT ProductName, Quantity, Price, Category

FROM Products

WHERE FarmerID = 1; -- Replace '1' with the FarmerID of interest

SELECT f.Name, SUM(p.Quantity) AS TotalQuantity

FROM Farmers f

JOIN Products p ON f.FarmerID = p.FarmerID

GROUP BY f.Name;

SELECT d.DriverID, drv.Name, COUNT(d.DeliveryID) AS TotalDeliveries

FROM Deliveries d

JOIN Drivers drv ON d.DriverID = drv.DriverID

GROUP BY d.DriverID, drv.Name

ORDER BY TotalDeliveries DESC;\*/