

Assignment 2: Courier Management System

Task 1: SCRIPT FOR INSERTING 10 RECORDS FOR EACH TABLE

```
CREATE DATABASE final;
USE final;
CREATE TABLE User (
    UserID INT PRIMARY KEY,
    Name VARCHAR(255),
    Email VARCHAR(255) UNIQUE,
    Password VARCHAR(255),
    ContactNumber VARCHAR(20),
    Address TEXT
);
CREATE TABLE Courier (
    CourierID INT PRIMARY KEY,
    UserID INT,
    SenderName VARCHAR(255),
    SenderAddress TEXT,
    ReceiverName VARCHAR(255),
    ReceiverAddress TEXT,
    Weight DECIMAL(5,2),
    Status VARCHAR(50),
    TrackingNumber VARCHAR(20) UNIQUE,
    DeliveryDate DATE,
    FOREIGN KEY (UserID) REFERENCES User(UserID)
);
CREATE TABLE CourierServices (
    ServiceID INT PRIMARY KEY,
    ServiceName VARCHAR(100),
    Cost DECIMAL(8,2)
```

);

```
CREATE TABLE Employee (  
    EmployeeID INT PRIMARY KEY,  
    Name VARCHAR(255),  
    Email VARCHAR(255) UNIQUE,  
    ContactNumber VARCHAR(20),  
    Role VARCHAR(50),  
    Salary DECIMAL(10,2)
```

);

```
CREATE TABLE Location (  
    LocationID INT PRIMARY KEY,  
    LocationName VARCHAR(100),  
    Address TEXT
```

);

```
CREATE TABLE Payment (  
    PaymentID INT PRIMARY KEY,  
    CourierID INT,  
    LocationID INT,  
    Amount DECIMAL(10,2),  
    PaymentDate DATE,  
    FOREIGN KEY (CourierID) REFERENCES Courier(CourierID),  
    FOREIGN KEY (LocationID) REFERENCES Location(LocationID)
```

);

```
INSERT INTO User (UserID, Name, Email, Password, ContactNumber, Address) VALUES  
(1, 'Alice Johnson', 'alice@example.com', 'pass123', '1234567890', '123 Main St'),  
(2, 'Bob Smith', 'bob@example.com', 'pass456', '0987654321', '456 Elm St'),  
(3, 'Charlie Adams', 'charlie@example.com', 'pass789', '5671238901', '789 Pine St'),  
(4, 'David Brown', 'david@example.com', 'pass234', '6789012345', '101 Oak St'),  
(5, 'Eve Watson', 'eve@example.com', 'pass567', '7890123456', '202 Maple St'),
```

(6, 'Frank Miller', 'frank@example.com', 'pass678', '8901234567', '303 Cedar St'),
(7, 'Grace Lee', 'grace@example.com', 'pass789', '9012345678', '404 Birch St'),
(8, 'Henry White', 'henry@example.com', 'pass890', '1230984567', '505 Redwood St'),
(9, 'Ivy Thomas', 'ivy@example.com', 'pass901', '3214567890', '606 Aspen St'),
(10, 'Jack Wilson', 'jack@example.com', 'pass012', '6547891230', '707 Oakwood St');

INSERT INTO Courier (CourierID, UserID, SenderName, SenderAddress, ReceiverName, ReceiverAddress, Weight, Status, TrackingNumber, DeliveryDate) VALUES

(1, 1, 'Alice Johnson', '123 Main St', 'David Brown', '789 Oak St', 2.5, 'In Transit', 'TRK12345', '2025-03-30'),
(2, 2, 'Bob Smith', '456 Elm St', 'Eve Adams', '101 Pine St', 1.2, 'Delivered', 'TRK67890', '2025-03-28'),
(3, 3, 'Charlie Adams', '789 Pine St', 'Frank Miller', '303 Cedar St', 3.0, 'Pending', 'TRK13579', '2025-04-01'),
(4, 4, 'David Brown', '101 Oak St', 'Grace Lee', '404 Birch St', 4.5, 'Shipped', 'TRK24680', '2025-04-02'),
(5, 5, 'Eve Watson', '202 Maple St', 'Henry White', '505 Redwood St', 2.8, 'In Transit', 'TRK11223', '2025-04-05'),
(6, 6, 'Frank Miller', '303 Cedar St', 'Ivy Thomas', '606 Aspen St', 1.5, 'Delivered', 'TRK33445', '2025-04-03'),
(7, 7, 'Grace Lee', '404 Birch St', 'Jack Wilson', '707 Oakwood St', 2.0, 'Pending', 'TRK55667', '2025-04-07'),
(8, 8, 'Henry White', '505 Redwood St', 'Alice Johnson', '123 Main St', 3.7, 'Shipped', 'TRK77889', '2025-04-06'),
(9, 9, 'Ivy Thomas', '606 Aspen St', 'Bob Smith', '456 Elm St', 2.3, 'In Transit', 'TRK99001', '2025-04-08'),
(10, 10, 'Jack Wilson', '707 Oakwood St', 'Charlie Adams', '789 Pine St', 1.8, 'Delivered', 'TRK11234', '2025-04-09');

INSERT INTO CourierServices (ServiceID, ServiceName, Cost) VALUES

(1, 'Standard Delivery', 50.00),
(2, 'Express Delivery', 100.00),
(3, 'Same Day Delivery', 150.00),
(4, 'Overnight Shipping', 200.00),

(5, 'International Shipping', 300.00),
(6, 'Heavy Parcel Delivery', 400.00),
(7, 'Secure Delivery', 250.00),
(8, 'Scheduled Delivery', 180.00),
(9, 'Eco-Friendly Delivery', 130.00),
(10, 'Drone Delivery', 500.00);

INSERT INTO Employee (EmployeeID, Name, Email, ContactNumber, Role, Salary)
VALUES

(1, 'John Doe', 'john.doe@example.com', '1122334455', 'Delivery Agent', 40000.00),
(2, 'Emily Clark', 'emily.clark@example.com', '2233445566', 'Manager', 60000.00),
(3, 'Michael Johnson', 'michael.johnson@example.com', '3344556677', 'Supervisor',
55000.00),
(4, 'Jessica Lee', 'jessica.lee@example.com', '4455667788', 'Courier Handler', 42000.00),
(5, 'David Wilson', 'david.wilson@example.com', '5566778899', 'Delivery Agent', 40000.00),
(6, 'Sarah Brown', 'sarah.brown@example.com', '6677889900', 'Customer Support',
45000.00),
(7, 'James White', 'james.white@example.com', '7788990011', 'Delivery Agent', 41000.00),
(8, 'Linda Green', 'linda.green@example.com', '8899001122', 'Finance Manager', 70000.00),
(9, 'Robert Black', 'robert.black@example.com', '9900112233', 'Warehouse Manager',
50000.00),
(10, 'Olivia Harris', 'olivia.harris@example.com', '1111222333', 'Delivery Agent', 40000.00);

INSERT INTO Location (LocationID, LocationName, Address) VALUES

(1, 'Downtown Hub', '500 Center St'),
(2, 'Uptown Hub', '600 North St'),
(3, 'East End Hub', '700 East St'),
(4, 'West End Hub', '800 West St'),
(5, 'South Side Hub', '900 South St'),
(6, 'North Side Hub', '100 North St'),
(7, 'City Center Hub', '200 Central St'),
(8, 'Airport Hub', '300 Airport Rd'),

(9, 'Harbor Hub', '400 Dock St'),
(10, 'Industrial Hub', '500 Factory Ln');

INSERT INTO Payment (PaymentID, CourierID, LocationID, Amount, PaymentDate)
VALUES

(1, 1, 1, 50.00, '2025-03-29'),
(2, 2, 2, 100.00, '2025-03-28'),
(3, 3, 3, 150.00, '2025-03-27'),
(4, 4, 4, 200.00, '2025-03-26'),
(5, 5, 5, 250.00, '2025-03-25'),
(6, 6, 6, 300.00, '2025-03-24'),
(7, 7, 7, 350.00, '2025-03-23'),
(8, 8, 8, 400.00, '2025-03-22'),
(9, 9, 9, 450.00, '2025-03-21'),
(10, 10, 10, 500.00, '2025-03-20');

SELECT * FROM User;

SELECT * FROM Courier;

SELECT * FROM CourierServices;

SELECT * FROM Employee;

SELECT * FROM Location;









SELECT * FROM Payment;


Implementation Screenshots






| Result Grid | | | | | | |
|-------------|--------|---------------|---------------------|----------|----------------|----------------|
| | | | Filter Rows: | Edit: | Export/Import: | |
| | UserID | Name | Email | Password | ContactNumber | Address |
| ▶ | 1 | Alice Johnson | alice@example.com | pass123 | 1234567890 | 123 Main St |
| | 2 | Bob Smith | bob@example.com | pass456 | 0987654321 | 456 Elm St |
| | 3 | Charlie Adams | charlie@example.com | pass789 | 5671238901 | 789 Pine St |
| | 4 | David Brown | david@example.com | pass234 | 6789012345 | 101 Oak St |
| | 5 | Eve Watson | eve@example.com | pass567 | 7890123456 | 202 Maple St |
| | 6 | Frank Miller | frank@example.com | pass678 | 8901234567 | 303 Cedar St |
| | 7 | Grace Lee | grace@example.com | pass789 | 9012345678 | 404 Birch St |
| | 8 | Henry White | henry@example.com | pass890 | 1230984567 | 505 Redwood St |
| | 9 | Ivy Thomas | ivy@example.com | pass901 | 3214567890 | 606 Aspen St |
| | 10 | Jack Wilson | jack@example.com | pass012 | 6547891230 | 707 Oakwood St |
| • | NULL | NULL | NULL | NULL | NULL | NULL |

| Result Grid | | | | | | | | | | |
|-------------|-----------|--------|---------------|----------------|----------------|--------------------|--------|------------|----------------|--------------|
| | | | | | | | | | | |
| | | | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: | | | | |
| | CourierID | UserID | SenderName | SenderAddress | ReceiverName | ReceiverAddress | Weight | Status | TrackingNumber | DeliveryDate |
| ▶ | 1 | 1 | Alice Johnson | 123 Main St | David Brown | 789 Oak St | 2.50 | In Transit | TRK12345 | 2025-03-30 |
| | 2 | 2 | Bob Smith | 456 Elm St | Eve Adams | 101 Pine St | 1.20 | Delivered | TRK67890 | 2025-03-28 |
| | 3 | 3 | Charlie Adams | 789 Pine St | Frank Miller | 303 Cedar St | 3.00 | Pending | TRK13579 | 2025-04-01 |
| | 4 | 4 | David Brown | 101 Oak St | Grace Lee | 404 Birch St | 4.50 | Shipped | TRK24680 | 2025-04-02 |
| | 5 | 5 | Eve Watson | 202 Maple St | Henry White | 505 Redwood St | 2.80 | In Transit | TRK11223 | 2025-04-05 |
| | 6 | 6 | Frank Miller | 303 Cedar St | Ivy Thomas | 606 Aspen St | 1.50 | Delivered | TRK33445 | 2025-04-03 |
| | 7 | 7 | Grace Lee | 404 Birch St | Jack Wilson | 707 Oakwood St | 2.00 | Pending | TRK55667 | 2025-04-07 |
| | 8 | 8 | Henry White | 505 Redwood St | Alice Johnson | 123 Main St | 3.70 | Shipped | TRK77889 | 2025-04-06 |
| | 9 | 9 | Ivy Thomas | 606 Aspen St | Bob Smith | 456 Elm St | 2.30 | In Transit | TRK99001 | 2025-04-08 |
| | 10 | 10 | Jack Wilson | 707 Oakwood St | Charlie Adams | 789 Pine St | 1.80 | Delivered | TRK11234 | 2025-04-09 |
| • | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| Result Grid | | | |
|-------------|-----------|------------------------|--------------|
| | | | Filter Rows: |
| | ServiceID | ServiceName | Cost |
| ▶ | 1 | Standard Delivery | 50.00 |
| | 2 | Express Delivery | 100.00 |
| | 3 | Same Day Delivery | 150.00 |
| | 4 | Overnight Shipping | 200.00 |
| | 5 | International Shipping | 300.00 |
| | 6 | Heavy Parcel Delivery | 400.00 |
| | 7 | Secure Delivery | 250.00 |
| | 8 | Scheduled Delivery | 180.00 |
| | 9 | Eco-Friendly Delivery | 130.00 |
| | 10 | Drone Delivery | 500.00 |
| • | NULL | NULL | NULL |

| Result Grid   Filter Rows: <input type="text"/> | | | | | | |
|---|------------|-----------------|-----------------------------|---------------|-------------------|----------|
| Edit:    Export/Import:   Wrap Cell Content:  | | | | | | |
| | EmployeeID | Name | Email | ContactNumber | Role | Salary |
| ▶ | 1 | John Doe | john.doe@example.com | 1122334455 | Delivery Agent | 40000.00 |
| | 2 | Emily Clark | emily.clark@example.com | 2233445566 | Manager | 60000.00 |
| | 3 | Michael Johnson | michael.johnson@example.com | 3344556677 | Supervisor | 55000.00 |
| | 4 | Jessica Lee | jessica.lee@example.com | 4455667788 | Courier Handler | 42000.00 |
| | 5 | David Wilson | david.wilson@example.com | 5566778899 | Delivery Agent | 40000.00 |
| | 6 | Sarah Brown | sarah.brown@example.com | 6677889900 | Customer Support | 45000.00 |
| | 7 | James White | james.white@example.com | 7788990011 | Delivery Agent | 41000.00 |
| | 8 | Linda Green | linda.green@example.com | 8899001122 | Finance Manager | 70000.00 |
| | 9 | Robert Black | robert.black@example.com | 9900112233 | Warehouse Manager | 50000.00 |
| | 10 | Olivia Harris | olivia.harris@example.com | 1111222333 | Delivery Agent | 40000.00 |
| • | NULL | NULL | NULL | NULL | NULL | NULL |

| Result Grid   Filter Rows: <input type="text"/> | | | |
|---|------------|-----------------|----------------|
| | LocationID | LocationName | Address |
| ▶ | 1 | Downtown Hub | 500 Center St |
| | 2 | Uptown Hub | 600 North St |
| | 3 | East End Hub | 700 East St |
| | 4 | West End Hub | 800 West St |
| | 5 | South Side Hub | 900 South St |
| | 6 | North Side Hub | 100 North St |
| | 7 | City Center Hub | 200 Central St |
| | 8 | Airport Hub | 300 Airport Rd |
| | 9 | Harbor Hub | 400 Dock St |
| | 10 | Industrial Hub | 500 Factory Ln |
| • | NULL | NULL | NULL |

| Result Grid   Filter Rows: <input type="text"/> | | | | | |
|--|-----------|-----------|------------|--------|-------------|
| Edit:    | | | | | |
| | PaymentID | CourierID | LocationID | Amount | PaymentDate |
| ▶ | 1 | 1 | 1 | 50.00 | 2025-03-29 |
| | 2 | 2 | 2 | 100.00 | 2025-03-28 |
| | 3 | 3 | 3 | 150.00 | 2025-03-27 |
| | 4 | 4 | 4 | 200.00 | 2025-03-26 |
| | 5 | 5 | 5 | 250.00 | 2025-03-25 |
| | 6 | 6 | 6 | 300.00 | 2025-03-24 |
| | 7 | 7 | 7 | 350.00 | 2025-03-23 |
| | 8 | 8 | 8 | 400.00 | 2025-03-22 |
| | 9 | 9 | 9 | 450.00 | 2025-03-21 |
| | 10 | 10 | 10 | 500.00 | 2025-03-20 |
| • | NULL | NULL | NULL | NULL | NULL |