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)
```

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);
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;

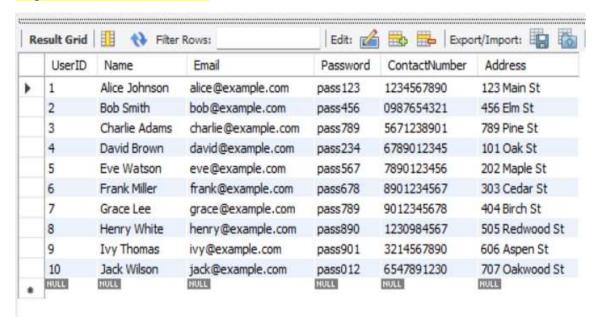
SELECT * FROM CourierServices;

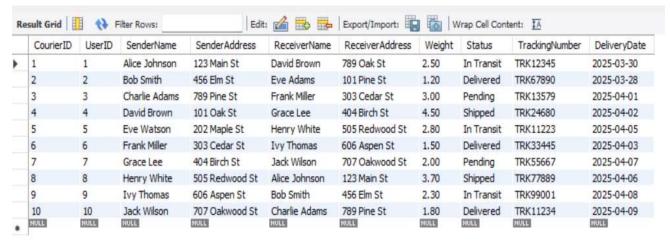
SELECT * FROM Employee;

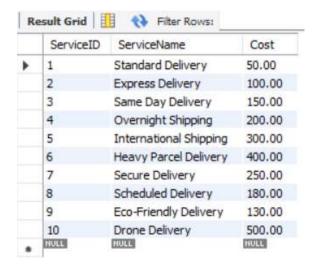
SELECT * FROM Location;

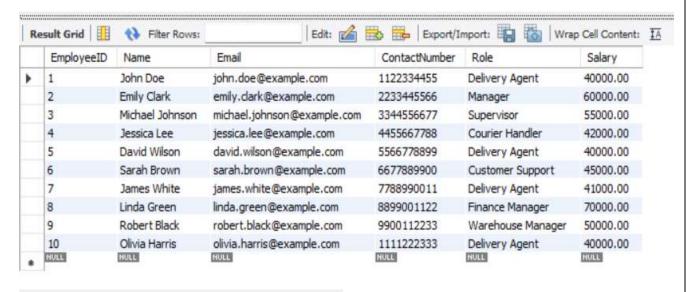
SELECT * FROM Payment;

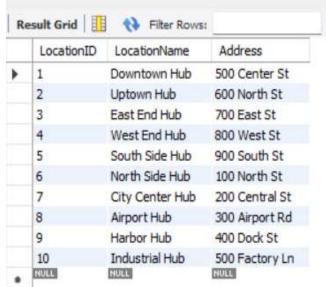
Implementation Screenshots











	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