Task1 Database Design

Design a SQL schema for a Courier Management System with tables for Customers, Couriers, Orders, and Parcels. Define the relationships between these tables using appropriate foreign keys.

Requirements:

- Define the Database Schema Create SQL tables for entities such as User, Courier, Employee, Location, Payment
- Define relationships between these tables (one-to-many, many-to-many, etc.).

```
CREATE DATABASE CMS;
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USE CMS;

CREATE TABLE User (

- -> UserID INT PRIMARY KEY NOT NULL,
- -> Name VARCHAR(255),
- -> Email VARCHAR(255) UNIQUE,
- -> Password VARCHAR(255),
- -> ContactNumber VARCHAR(20),
- -> Address TEXT
- ->);

CREATE TABLE Courier (

- -> CourierID INT PRIMARY KEY NOT NULL,
- -> SenderName VARCHAR(255),
- -> SenderAddress TEXT,
- -> ReceiverName VARCHAR(255),
- -> ReceiverAddress TEXT,
- -> Weight DECIMAL(5, 2),

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Status VARCHAR(50),
    ->
    ->
            TrackingNumber VARCHAR(20) UNIQUE,
            DeliveryDate DATE
    ->);
CREATE TABLE CourierServices (
            ServiceID INT PRIMARY KEY NOT NULL,
            ServiceName VARCHAR(100),
            Cost DECIMAL(8, 2)
    ->);
CREATE TABLE Employee (
            EmployeeID INT PRIMARY KEY NOT NULL,
            Name VARCHAR(255),
    ->
            Email VARCHAR(255) UNIQUE,
            ContactNumber VARCHAR(20),
    ->
            Role VARCHAR(50),
    ->
            Salary DECIMAL(10, 2)
    ->);
CREATE TABLE Location (
    ->
            LocationID INT PRIMARY KEY NOT NULL,
            LocationName VARCHAR(100),
            Address TEXT
    ->
    ->);
CREATE TABLE Payment (
```

PaymentID INT PRIMARY KEY NOT NULL,

->

CourierID INT,

- -> LocationID INT,
- -> Amount DECIMAL(10, 2),
- -> PaymentDate DATE,
- -> FOREIGN KEY (CourierID) REFERENCES Couriers(CourierID),
- -> FOREIGN KEY (LocationID) REFERENCES Location(LocationID)
- ->);
- Populate Sample Data
- Insert sample data into the tables to simulate real-world scenarios.

INSERT INTO User (UserID, Name, Email, Password, ContactNumber, Address)

-> VALUES

- -> (1, 'John Doe', 'john.doe@example.com', 'password123', '123-456-7890', '123 Main St, City, Country'),
- -> (2, 'Jane Smith', 'jane.smith@example.com', 'securepass', '987-654-3210', '456 Oak St, Town, Country'),
- -> (3, 'Alice Johnson', 'alice.johnson@example.com', 'pass123', '555-123-4567', '789 Pine St, Village, Country'),
- -> (4, 'Bob Williams', 'bob.williams@example.com', 'mysecret', '222-333-4444', '101 Cedar St, Hamlet, Country'),
- -> (5, 'Eva Brown', 'eva.brown@example.com', 'password456', '777-888-9999', '202 Elm St, City, Country'),
- -> (6, 'David Taylor', 'david.taylor@example.com', 'strongpass', '111-222-3333', '303 Maple St, Town, Country'),
- -> (7, 'Sophia Lee', 'sophia.lee@example.com', 'secure123', '999-888-7777', '404 Birch St, Village, Country'),
- -> (8, 'Michael Davis', 'michael.davis@example.com', 'mypass', '444-555-6666', '505 Pine St, Hamlet, Country'),
- -> (9, 'Olivia White', 'olivia.white@example.com', 'pass456', '666-777-8888', '606 Oak St, City, Country'),

-> (10, 'Daniel Johnson', 'daniel.johnson@example.com', 'mypassword', '333-444-5555', '707 Elm St, Town, Country');

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

-> VALUES

- -> (1, 'John Sender', '123 Sender St, City, Country', 'Jane Receiver', '456 Receiver St, Town, Country', 2.5, 'In Transit', 'TN123456', '2024-01-18'),
- -> (2, 'Alice Shipper', '789 Shipper St, Village, Country', 'Bob Recipient', '101 Recipient St, Hamlet, Country', 1.8, 'Delivered', 'TN789012', '2024-01-19'),
- -> (3, 'Eva Sender', '202 Sender St, City, Country', 'David Receiver', '303 Receiver St, Town, Country', 3.0, 'Pending', 'TN345678', NULL),
- -> (4, 'Sophia Shipper', '404 Shipper St, Village, Country', 'Michael Recipient', '505 Recipient St, Hamlet, Country', 1.2, 'In Transit', 'TN901234', '2024-01-20'),
- -> (5, 'Olivia Sender', '606 Sender St, City, Country', 'Daniel Receiver', '707 Receiver St, Town, Country', 2.7, 'Delivered', 'TN567890', '2024-01-21'),
- -> (6, 'Daniel Shipper', '707 Shipper St, Village, Country', 'Sophia Recipient', '404 Recipient St, Hamlet, Country', 1.5, 'Delivered', 'TN234567', '2024-01-22'),
- -> (7, 'Michael Sender', '505 Sender St, City, Country', 'Olivia Receiver', '606 Receiver St, Town, Country', 2.0, 'Pending', 'TN890123', NULL),
- -> (8, 'Bob Shipper', '101 Shipper St, Village, Country', 'Eva Recipient', '202 Recipient St, Hamlet, Country', 2.3, 'In Transit', 'TN456789', '2024-01-23'),
- -> (9, 'Jane Sender', '456 Sender St, City, Country', 'Alice Receiver', '789 Receiver St, Town, Country', 1.9, 'Delivered', 'TN012345', '2024-01-24'),
- -> (10, 'David Shipper', '303 Shipper St, Village, Country', 'John Recipient', '123 Recipient St, Hamlet, Country', 2.8, 'Pending', 'TN678901', NULL);

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

-> VALUES

-> (1, 'Alice Johnson', 'alice.johnson@example.com', '555-123-4567', 'Manager', 70000.00),

- -> (2, 'Bob Williams', 'bob.williams@example.com', '222-333-4444', 'Delivery Driver', 50000.00),
- -> (3, 'Eva Brown', 'eva.brown@example.com', '777-888-9999', 'Customer Service Representative', 60000.00),
- -> (4, 'David Taylor', 'david.taylor@example.com', '111-222-3333', 'Warehouse Staff', 55000.00),
 - -> (5, 'Sophia Lee', 'sophia.lee@example.com', '999-888-7777', 'IT Specialist', 75000.00),
 - -> (6, 'Michael Davis', 'michael.davis@example.com', '444-555-6666', 'Manager', 72000.00),
- -> (7, 'Olivia White', 'olivia.white@example.com', '666-777-8888', 'Customer Service Representative', 58000.00),
- -> (8, 'Daniel Johnson', 'daniel.johnson@example.com', '333-444-5555', 'Warehouse Staff', 52000.00),
 - -> (9, 'John Doe', 'john.doe@example.com', '123-456-7890', 'Delivery Driver', 50000.00),
 - -> (10, 'Jane Smith', 'jane.smith@example.com', '987-654-3210', 'IT Specialist', 76000.00);

INSERT INTO Location (LocationID, LocationName, Address)

-> VALUES

- -> (1, 'Warehouse A', '123 Main St, City, Country'),
- -> (2, 'Office Building', '456 Business St, Town, Country'),
- -> (3, 'Distribution Center', '789 Logistics St, Village, Country'),
- -> (4, 'Hub Facility', '101 Hub St, Hamlet, Country'),
- -> (5, 'Regional Office', '202 Regional St, City, Country'),
- -> (6, 'Storage Facility', '303 Storage St, Town, Country'),
- -> (7, 'Branch Office', '404 Branch St, Village, Country'),
- -> (8, 'Central Depot', '505 Depot St, Hamlet, Country'),
- -> (9, 'Main Office', '606 Main St, City, Country'),
- -> (10, 'Processing Center', '707 Processing St, Town, Country');

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

-> VALUES

- -> (1, 1, 3, 50.00, '2024-01-18'),
- -> (2, 2, 1, 75.50, '2024-01-19'),
- -> (3, 4, 6, 30.00, '2024-01-20'),
- -> (4, 7, 9, 45.75, '2024-01-21'),
- -> (5, 3, 5, 60.20, '2024-01-22'),
- -> (6, 8, 7, 25.00, '2024-01-23'),
- -> (7, 5, 2, 40.50, '2024-01-24'),
- -> (8, 10, 10, 55.25, '2024-01-25'),
- -> (9, 6, 4, 22.80, '2024-01-26'),
- -> (10, 9, 8, 33.75, '2024-01-27');

Task 2: Select,Where Solve the following queries in the Schema that you have created above 1. List all customers: SELECT * FROM User; 2. List all orders for a specific customer: 3. List all couriers: SELECT * FROM COURIER; 4. List all packages for a specific order: SELECT Courier.* -> FROM Courier -> JOIN Orders ON Courier.CourierID = Orders.courier_id -> WHERE Orders.order_id = @specific_order_id;

5. List all deliveries for a specific courier:

6. List all undelivered packages:
SELECT *
-> FROM Courier
-> WHERE Status != 'Delivered';
7. List all packages that are scheduled for delivery today:
SELECT *
-> FROM Courier
-> WHERE DeliveryDate = CURDATE();
8. List all packages with a specific status:
SELECT *
-> FROM Courier
-> WHERE Status = 'In Transit';
9. Calculate the total number of packages for each courier.
5. Calculate the total number of packages for each council.
SELECT CourierID, COUNT(*) AS TotalPackages
-> FROM Courier
-> GROUP BY CourierID;
10. Find the average delivery time for each courier
SELECT CourierID, AVG(DATEDIFF(CURDATE(), DeliveryDate)) AS AverageDeliveryTime

-> FROM Courier
-> WHERE Status = 'Delivered'
-> GROUP BY CourierID;
11. List all packages with a specific weight range:
SELECT *
-> FROM Courier
-> WHERE Weight BETWEEN 1.00 AND 3.00;
12. Retrieve employees whose names contain 'John'
CELECT *
SELECT *
-> FROM Employee
-> WHERE Name LIKE '%John%';
13. Retrieve all courier records with payments greater than \$50.
15. Retrieve all courier records with payments greater than \$50.
SELECT Courier.*
-> FROM Courier
-> JOIN Payment ON Courier.CourierID = Payment.CourierID
-> WHERE Payment.Amount > 50.00;
- ,

- Task 3: GroupBy, Aggregate Functions, Having, Order By, where

 14. Find the total number of couriers handled by each employee.

 SELECT Employee.EmployeeID, Employee.Name, COUNT(Courier.CourierID) AS TotalCouriersHandled

 -> FROM Employee

 -> LEFT JOIN Courier ON Employee.EmployeeID = Courier.EmployeeID

 -> GROUP BY Employee.EmployeeID, Employee.Name;
 - 15. Calculate the total revenue generated by each location

SELECT Location.LocationID, Location.LocationName, SUM(Payment.Amount) AS TotalRevenue

- -> FROM Location
- -> LEFT JOIN Payment ON Location.LocationID = Payment.LocationID
- -> GROUP BY Location.LocationID, Location.LocationName;
- 16. Find the total number of couriers delivered to each location.

SELECT Location.LocationID, Location.LocationName, COUNT(Courier.CourierID) AS TotalCouriersDelivered

- -> FROM Location
- -> LEFT JOIN Courier ON Location.LocationID = Courier.LocationID
- -> GROUP BY Location.LocationID, Location.LocationName;

17. Find the courier with the highest average delivery time:
SELECT CourierID, AVG(DATEDIFF(NOW(), DeliveryDate)) AS AverageDeliveryTime
-> FROM Courier
-> WHERE Status = 'Delivered'
-> GROUP BY CourierID
-> ORDER BY AverageDeliveryTime DESC
-> LIMIT 1;
18. Find Locations with Total Payments Less Than a Certain Amount
SELECT Location.LocationID, Location.LocationName, SUM(Payment.Amount) AS TotalPayments
-> FROM Location
-> LEFT JOIN Payment ON Location.LocationID = Payment.LocationID
-> GROUP BY Location.LocationID, Location.LocationName
-> HAVING TotalPayments < 100.00;
19. Calculate Total Payments per Location
SELECT Location.LocationID, Location.LocationName, SUM(Payment.Amount) AS TotalPayment
-> FROM Location
-> LEFT JOIN Payment ON Location.LocationID = Payment.LocationID
-> GROUP BY Location.LocationID, Location.LocationName;
20. Potriovo couriers who have received navments totaling more than \$1000 in a specific leasting
20. Retrieve couriers who have received payments totaling more than \$1000 in a specific location (LocationID = X)

SELECT Courier.CourierID, Courier.SenderName, SUM(Payment.Amount) AS TotalPayments

- -> FROM Courier
- -> INNER JOIN Payment ON Courier.CourierID = Payment.CourierID
- -> INNER JOIN Location ON Payment.LocationID = Location.LocationID
- -> WHERE Location.LocationID = 1
- -> GROUP BY Courier.CourierID, Courier.SenderName
- -> HAVING SUM(Payment.Amount) > 40.00;
- 21. Retrieve couriers who have received payments totaling more than \$1000 after a certain date (PaymentDate > 'YYYY-MM-DD'):

SELECT Courier.CourierID, Courier.SenderName, SUM(Payment.Amount) AS TotalPayments

- -> FROM Courier
- -> INNER JOIN Payment ON Courier.CourierID = Payment.CourierID
- -> WHERE Payment.PaymentDate > ' 2024-01-18'
- -> GROUP BY Courier.CourierID, Courier.SenderName
- -> HAVING SUM(Payment.Amount) > 40.00;

22. Retrieve locations where the total amount received is more than \$5000 before a certain date (PaymentDate > 'YYYY-MM-DD')

SELECT Location.LocationID, Location.LocationName, SUM(Payment.Amount) AS TotalAmountReceived

- -> FROM Location
- -> LEFT JOIN Payment ON Location.LocationID = Payment.LocationID
- -> WHERE Payment.PaymentDate > ' 2024-01-18'
- -> GROUP BY Location.LocationID, Location.LocationName
- -> HAVING SUM(Payment.Amount) > 50.00;

- Task 4: Inner Join, Full Outer Join, Cross Join, Left Outer Join, Right Outer Join
 - 23. Retrieve Payments with Courier Information

SELECT Payment.PaymentID, Payment.Amount, Payment.PaymentDate,

- -> Courier.CourierID, Courier.SenderName, Courier.ReceiverName
- -> FROM Payment
- -> INNER JOIN Courier ON Payment.CourierID = Courier.CourierID;
 - 24. Retrieve Payments with Location Information

SELECT Payment.PaymentID, Payment.Amount, Payment.PaymentDate,

- -> Location.LocationID, Location.LocationName
- -> FROM Payment
- -> INNER JOIN Location ON Payment.LocationID = Location.LocationID;
 - 25. Retrieve Payments with Courier and Location Information

- -> Payment.PaymentID,
- -> Payment.Amount,
- -> Payment.PaymentDate,
- -> Courier.CourierID,
- -> Courier.SenderName,
- -> Courier.ReceiverName,
- -> Location.LocationID,
- -> Location.LocationName

- -> FROM Payment
- -> INNER JOIN Courier ON Payment.CourierID = Courier.CourierID
- -> INNER JOIN Location ON Payment.LocationID = Location.LocationID;

26. List all payments with courier details

SELECT

- -> Payment.PaymentID,
- -> Payment.Amount,
- -> Payment.PaymentDate,
- -> Courier.CourierID,
- -> Courier.SenderName,
- -> Courier.ReceiverName
- -> FROM Payment
- -> INNER JOIN Courier ON Payment.CourierID = Courier.CourierID;

27. Total payments received for each courier

- -> Courier.CourierID,
- -> Courier.SenderName,
- -> Courier.ReceiverName,
- -> SUM(Payment.Amount) AS TotalPaymentsReceived
- -> FROM Courier
- -> LEFT JOIN Payment ON Courier.CourierID = Payment.CourierID
- -> GROUP BY Courier.CourierID, Courier.SenderName, Courier.ReceiverName;

28. List payments made on a specific date

SELECT *

- -> FROM Payment
- -> WHERE PaymentDate = ' 2024-01-23';

29. Get Courier Information for Each Payment

SELECT

- -> Payment.PaymentID,
- -> Payment.Amount,
- -> Payment.PaymentDate,
- -> Courier.CourierID,
- -> Courier.SenderName,
- -> Courier.ReceiverName
- -> FROM Payment
- -> LEFT JOIN Courier ON Payment.CourierID = Courier.CourierID;

30. Get Payment Details with Location

- -> Payment.PaymentID,
- -> Payment.Amount,
- -> Payment.PaymentDate,
- -> Location.LocationID,
- -> Location.LocationName

	-> FRON	л Payment			
	-> LEFT JOIN Location ON Payment.LocationID = Location.LocationID;				
	31. C	alculating Total Payments for Each Courier			
	S	ELECT			
	->	Courier.CourierID,			
	->	Courier.SenderName,			
	->	Courier.ReceiverName,			
	->	SUM(Payment.Amount) AS TotalPayments			
	-> FRON	∕l Courier			
	-> LEFT	JOIN Payment ON Courier.CourierID = Payment.CourierID			
	-> GROI	JP BY Courier.CourierID, Courier.SenderName, Courier.ReceiverName;			
	32. Lis	t Payments Within a Date Range			
	SELEC	CT *			
	-> FRON	∕l Payment			
	-> WHE	RE PaymentDate BETWEEN ' 2024-01-18' AND ' 2024-01-26';			
	33. R	etrieve a list of all users and their corresponding courier records, including cases where			
there		matches on either side			
	S	ELECT			
	->	User.UserID,			

->	User.Name AS UserName,					
->	Courier.CourierID,					
->	Courier.SenderName,					
->	Courier.ReceiverName					
-> FRC	-> FROM User					
-> LEF	T JOIN Courier ON User.UserID = Courier.UserID;					
	Retrieve a list of all couriers and their corresponding services, including cases where there are son either side					
S	SELECT					
->	Courier.CourierID,					
->	Courier.SenderName,					
->	Courier.ReceiverName,					
->	CourierServices.ServiceID,					
->	CourierServices.ServiceName,					
->	CourierServices.Cost					
-> FRO	DM Courier					
-> LEF	T JOIN CourierServices ON Courier.CourierID = CourierServices.CourierID;					
	Retrieve a list of all employees and their corresponding payments, including cases where there ches on either side					
are no mat	cries on either side					
SELE	СТ					
->	Employee.EmployeeID,					
->	Employee.Name AS EmployeeName,					
->	Payment.PaymentID,					

- -> Payment.Amount,-> Payment.PaymentDate
- -> FROM Employee
- -> LEFT JOIN Payment ON Employee.EmployeeID = Payment.EmployeeID;
- 36. List all users and all courier services, showing all possible combinations.

SELECT

- -> User.UserID,
- -> User.Name AS UserName,
- -> CourierServices.ServiceID,
- -> CourierServices.ServiceName,
- -> CourierServices.Cost
- -> FROM User
- -> CROSS JOIN CourierServices;
- 37. List all employees and all locations, showing all possible combinations:

mysql> SELECT

- -> Employee.EmployeeID,
- -> Employee.Name AS EmployeeName,
- -> Location.LocationID,
- -> Location.LocationName
- -> FROM Employee
- -> CROSS JOIN Location;

38. Retrieve a list of couriers and their corresponding sender information (if available) **SELECT** -> Courier.CourierID, Courier.SenderName, -> -> Courier.SenderAddress, User.Name AS SenderUserName, User.Email AS SenderUserEmail -> FROM Courier -> LEFT JOIN User ON Courier.SenderID = User.UserID; 39. Retrieve a list of couriers and their corresponding receiver information (if available): **SELECT** Courier.CourierID, -> Courier.ReceiverName, Courier.ReceiverAddress, -> User.Name AS ReceiverUserName, User.Email AS ReceiverUserEmail -> FROM Courier -> LEFT JOIN User ON Courier.ReceiverID = User.UserID;

40. Retrieve a list of couriers along with the courier service details (if available):

- -> Courier.CourierID,
- -> Courier.SenderName,

-> Courier.ReceiverName,
-> CourierServices.ServiceID,
-> CourierServices.ServiceName,
-> CourierServices.Cost
-> FROM Courier
-> LEFT JOIN CourierServices ON Courier.CourierID = CourierServices.CourierID;
41. Retrieve a list of employees and the number of couriers assigned to each employee:
SELECT
-> Employee.EmployeeID,
-> Employee.Name AS EmployeeName,
-> COUNT(Courier.CourierID) AS NumberOfCouriers
-> FROM Employee
-> LEFT JOIN User ON Employee.EmployeeID = User.UserID
-> LEFT JOIN Courier ON User.UserID = Courier.EmployeeID
-> GROUP BY Employee.EmployeeID, Employee.Name;
42. Retrieve a list of locations and the total payment amount received at each location:
SELECT
-> Location.LocationID,
-> Location.LocationName,
-> SUM(Payment.Amount) AS TotalPaymentAmount
-> FROM Location

-> LEFT JOIN Payment ON Location.LocationID = Payment.LocationID				
-> GROUP BY Location.LocationID, Location.LocationName;				
43. Retrieve all couriers sent by the same sender (based on SenderName).				
SELECT *				
-> FROM Courier				
-> WHERE SenderName = ' Eva Sender';				
44. List all employees who share the same role.				
SELECT				
-> Role,				
-> GROUP_CONCAT(Name) AS EmployeesWithSameRole				
-> FROM Employee				
-> GROUP BY Role				
-> HAVING COUNT(*) > 1;				
45. Retrieve all payments made for couriers sent from the same location.				
SELECT Payment.*, Courier.CourierID, Courier.SenderName, Courier.ReceiverName				
-> FROM Payment				
-> JOIN Courier ON Payment.CourierID = Courier.CourierID				
-> JOIN Location ON Courier.LocationID = Location.LocationID;				

	46. Retrieve all couriers sent from the same location (based on SenderAddress).
	SELECT Courier.*
->	FROM Courier
->	WHERE SenderAddress IN (
->	SELECT SenderAddress
->	FROM Courier
->	GROUP BY SenderAddress
->	HAVING COUNT(*) > 1
->);
4	17. List employees and the number of couriers they have delivered:
	SELECT
->	F - 7 7
->	Employee.Name AS EmployeeName,
->	COUNT(Courier.CourierID) AS NumberOfDeliveredCouriers
->	FROM Employee
->	LEFT JOIN Courier ON Employee.EmployeeID = Courier.EmployeeID
->	GROUP BY Employee.EmployeeID, Employee.Name;
service:	18. Find couriers that were paid an amount greater than the cost of their respective couriers
Sel vice:	5
	SELECT
->	Courier.CourierID,
->	Courier.TrackingNumber,

- -> CourierServices.Cost AS ServiceCost,
- -> Payment.Amount AS PaymentAmount
- -> FROM Courier
- -> JOIN CourierServices ON Courier.ServiceID = CourierServices.ServiceID
- -> JOIN Payment ON Courier.CourierID = Payment.CourierID
- -> WHERE Payment.Amount > CourierServices.Cost;

Scope: Inner Queries, Non Equi Joins, Equi joins, Exist, Any, Al 49. Find couriers that have a weight greater than the average weight of all couriers **SELECT** -> CourierID, SenderName, -> ReceiverName, Weight -> FROM Courier -> WHERE Weight > (SELECT AVG(Weight) FROM Courier); 50. Find the names of all employees who have a salary greater than the average salary **SELECT** -> EmployeeID, Name, -> -> Salary -> FROM Employee -> WHERE Salary > (SELECT AVG(Salary) FROM Employee); 51. Find the total cost of all courier services where the cost is less than the maximum cost **SELECT**

SUM(Cost) AS TotalCost

-> WHERE Cost < (SELECT MAX(Cost) FROM CourierServices);

-> FROM CourierServices

52. Find all couriers that have been paid for

SELECT Courier.* -> FROM Courier -> INNER JOIN Payment ON Courier.CourierID = Payment.CourierID; 53. Find the locations where the maximum payment amount was made SELECT Location.* -> FROM Location -> JOIN Payment ON Location.LocationID = Payment.LocationID -> WHERE Payment.Amount = (SELECT MAX(Amount) FROM Payment); 54. Find all couriers whose weight is greater than the weight of all couriers sent by a specific sender (e.g., 'SenderName'): SELECT * -> FROM Courier -> WHERE Weight > (SELECT MAX(Weight) -> **FROM Courier** WHERE SenderName = 'Eva Sender' ->);