#### Assignment - 04

#### Task-1 Database Design:

2.

->

->

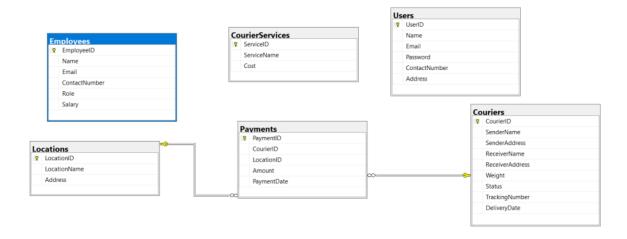
->

```
mysql> CREATE DATABASE CourierManagementSystem;
Query OK, 1 row affected (0.08 sec)
mysql> USE CourierManagementSystem;
Database changed
```

UserID INT PRIMARY KEY,

Name VARCHAR(255),

mysql> CREATE TABLE Users (



```
Email VARCHAR(255) UNIQUE,
                                                  Password VARCHAR(255),
                                                 ContactNumber VARCHAR(20),
                    ->
                                                  Address TEXT
                   ->
                   -> );
  Query OK, 0 rows affected (0.13 sec)
 mysql> INSERT INTO Users (UserID, Name, Email, Password, ContactNumber, Address)
-> VALUES
-> (1, 'Raj Sharma', 'raj.sharma@email.com', 'password123', '9876543210', '123 Main Street, Delhi'),
-> (2, 'Priya Patel', 'priya.patel@email.com', 'pass456', '7899123456', '456 Oak Avenue, Mumbai'),
-> (3, 'Amit Verma', 'amit.verma@email.com', 'amit123', '8765432109', '789 Elm Street, Bangalore'),
-> (4, 'Neha Reddy', 'neha.reddy@email.com', 'neha456', '7654321098', '101 Pine Avenue, Hyderabad'),
-> (5, 'Rahul Kapoor', 'rahul.kapoor@email.com', 'rahul567', '6543210987', '202 Oak Street, Kolkata'),
-> (6, 'Anjali Desai', 'anjali.desai@email.com', 'anjali456', '5432109876', '303 Maple Avenue, Chennai'),
-> (7, 'Sanjay Mehra', 'sanjay.mehra@email.com', 'sanjay789', '4321098765', '404 Elm Street, Pune'),
-> (8, 'Meera Iyer', 'meera.iyer@email.com', 'meera987', '3210987654', '505 Pine Avenue, Ahmedabad');
Query OK, 8 rows affected (0.02 sec)
Records: 8 Duplicates: 0 Warnings: 0
            -> VALUES
Records: 8 Duplicates: 0 Warnings: 0
```

```
mysgl> CREATE TABLE Couriers (
                      CourierID INT PRIMARY KEY,
           ->
           ->
                      SenderName VARCHAR(255),
                      SenderAddress TEXT,
           ->
           ->
                      ReceiverName VARCHAR(255),
                     ReceiverAddress TEXT,
           ->
                     Weight DECIMAL(5, 2),
           ->
                      Status VARCHAR(50),
           ->
                     TrackingNumber VARCHAR(20) UNIQUE
           ->
                     DeliveryDate DATE
           ->
           -> ):
     Query OK, 0 rows affected (0.06 sec)
    mysql> INSERT INTO Couriers (CourierID, SenderName, SenderAddress, ReceiverName, ReceiverAddress, Weight, Status, TrackingNumber, Del
    iveryDate)
-> VALUES
       -> (1, 'Raj Sharma', '789 Pine Street, Delhi', 'Suresh Kumar', '567 Elm Street, Mumbai', 8.5, 'In Transit', 'TN123456', '2023-04-
    01'),
-> (2, 'Priya Patel', '321 Oak Street, Kolkata', 'Anita Gupta', '456 Maple Street, Bangalore', 6.0, 'Delivered', 'TN789012', '202
         .8'),
• (3, 'Jyoti Singh', '111 Pine Street, Hyderabad', 'Alok Gupta', '222 Oak Street, Chennai', 7.0, 'In Transit', 'TN654321', '2023
         2,
(4, 'Arun Verma', '505 Maple Avenue, Pune', 'Shweta Reddy', '606 Elm Street, Ahmedabad', 4.5, 'Delivered', 'TN987654', '2023-0
    4-02'),
-> (5, 'Kavita Patel', '777 Oak Street, Delhi', 'Vinod Iyer', '888 Maple Avenue, Mumbai', 9.2, 'In Transit', 'TN789002', '2023-04
    -08'),
-> (6, 'Rohit Deshmukh', '999 Pine Street, Kolkata', 'Sneha Kapoor', '111 Elm Street, Bangalore', 6.8, 'Scheduled', 'TN345678',
         - (7, 'Raj Sharma', '303 Oak Street, Hyderabad', 'Suman Mehra', '404 Maple Avenue, Pune', 5.3, 'Delivered', 'TN012345', '2023-03
            'Sangeeta Iyer', '202 Elm Street, Chennai', 'Vivek Desai', '303 Pine Street, Ahmedabad', 8.0, 'In Transit', 'TN678901', '2
    -> (8, '
023-04-12');
    Query OK, 8 rows affected (0.01 sec)
Records: 8 Duplicates: 0 Warnings: 0
6.
     mysql> CREATE TABLE CourierServices (
                      ServiceID INT PRIMARY KEY,
                      ServiceName VARCHAR(100),
                      Cost DECIMAL(8, 2)
           ->
           -> );
     Query OK, 0 rows affected (0.03 sec)
7.
     mysql> INSERT INTO CourierServices (ServiceID, ServiceName, Cost)
           -> VALUES
           -> (11, 'Delivery Driver', 20.00),
           -> (2, 'Express', 15.00),
           -> (3, 'Next Day Delivery', 20.00),
           -> (4, 'Two-Day Delivery', 18.00),
           -> (5,
                     'Economy', 12.00),
                      'Same Day Delivery', 25.00),
           -> (7, 'Standard', 15.00),
           -> (8, 'Express', 22.00);
     Query OK, 8 rows affected (0.01 sec)
     Records: 8 Duplicates: 0 Warnings: 0
```

```
mysql> CREATE TABLE Employees (
                           EmployeeID INT PRIMARY KEY,
                           Name VARCHAR(255),
                           Email VARCHAR(255) UNIQUE,
              ->
                          ContactNumber VARCHAR(20),
                           Role VARCHAR(50),
              ->
                           Salary DECIMAL(10, 2)
             -> );
      Query OK, 0 rows affected (0.05 sec)
     mysql> INSERT INTO Employees (EmployeeID, Name, Email, ContactNumber, Role, Salary)
     -> VALUES
-> (1, 'Rohan Gupta', 'rohan.gupta@email.com', '111-222-3333', 'Delivery Driver', 50000.00),
-> (2, 'Chitra Iyer', 'chitra.iyer@email.com', '444-333-5555', 'Customer Service', 45000.00),
-> (3, 'Vikram Singh', 'vikram.singh@email.com', '777-888-1111', 'Warehouse Manager', 55000.00),
-> (4, 'Pooja Desai', 'pooja.desai@email.com', '444-333-5555', 'Dispatcher', 48000.00),
-> (5, 'Kunal Kapoor', 'kunal.kapoor@email.com', '111-222-3333', 'Delivery Driver', 52000.00),
-> (6, 'Aarti Singh', 'aarti.singh@email.com', '666-555-7777', 'Customer Service', 47000.00),
-> (7, 'Rajat Mehta', 'rajat.mehta@email.com', '888-999-1111', 'Warehouse Staff', 45000.00),
-> (8, 'Ananya Iyer', 'ananya.iyer@email.com', '222-333-4444', 'Dispatcher', 48000.00);
Query OK, 8 rows affected (0.01 sec)
Records: 8 Duplicates: 0 Warnings: 0
           -> VALUES
10. Records: 8 Duplicates: 0 Warnings: 0
      mysql> CREATE TABLE Locations (
                          LocationID INT PRIMARY KEY,
                          LocationName VARCHAR(100),
                           Address TEXT
             -> ):
      Query OK, 0 rows affected (0.03 sec)
11.
      mysql> INSERT INTO Locations (LocationID, LocationName, Address)
             -> VALUES
             -> (1, 'Main Office', '123 Main Street, Delhi'),
             -> (2, 'Branch Office', '456 Oak Avenue, Mumbai'),
-> (3, 'Warehouse A', '777 Pine Street, Hyderabad'),
-> (4, 'Warehouse B', '888 Oak Street, Pune'),
             -> (5, 'Branch Office 2', '999 Elm Street, Bangalore'), -> (6, 'Branch Office 3', '101 Maple Avenue, Chennai'),
             -> (7, 'Warehouse C', '222 Oak Street, Kolkata'),
             -> (8, 'Branch Office 4', '333 Elm Street, Ahmedabad');
      Query OK, 8 rows affected (0.01 sec)
      Records: 8 Duplicates: 0 Warnings: 0
12.
      mysql> CREATE TABLE Payments (
                         PaymentID INT PRIMARY KEY,
                         CourierID INT,
             ->
                         LocationID INT,
             ->
                         Amount DECIMAL(10, 2),
                         PaymentDate DATE,
                         FOREIGN KEY (CourierID) REFERENCES Couriers(CourierID),
                         FOREIGN KEY (LocationID) REFERENCES Locations(LocationID)
             ->
     Query OK, 0 rows affected (0.06 sec)
```

```
mysql> INSERT INTO Payments (PaymentID, CourierID, LocationID, Amount, PaymentDate)
-> VALUES
-> (1, 1, 1, 20.00, '2023-03-25'),
-> (2, 2, 2, 30.00, '2023-04-02'),
-> (3, 3, 3, 15.00, '2023-04-01'),
-> (4, 4, 4, 25.00, '2023-04-02'),
-> (5, 5, 5, 18.00, '2023-04-03'),
-> (6, 6, 6, 22.00, '2023-04-04'),
-> (7, 7, 7, 30.00, '2023-04-05'),
-> (8, 8, 8, 20.00, '2023-04-06');
Query OK, 8 rows affected (0.01 sec)
Records: 8 Duplicates: 0 Warnings: 0
```

14

# Task-2 Select, Where:

Solve the following queries in the Schema that you have created above:

1. List all customers.

mysql> SEL	ECT * FROM Use	rs;	<b>+</b>	<b>.</b>	·
UserID	Name	Email	Password	ContactNumber	Address
1   2   3   4   1   5   6   7   1   8	Raj Sharma Priya Patel Amit Verma Neha Reddy Rahul Kapoor Anjali Desai Sanjay Mehra Meera Iyer	raj.sharma@email.com priya.patel@email.com amit.verma@email.com neha.reddy@email.com rahul.kapoor@email.com anjali.desai@email.com sanjay.mehra@email.com meera.iyer@email.com	password123 pass456 amit123 neha456 rahul567 anjali456 sanjay789 meera987	9876543210 7890123456 8765432109 7654321098 6543210987 5432109876 4321098765	123 Main Street, Delhi   456 Oak Avenue, Mumbai   789 Elm Street, Bangalore   101 Pine Avenue, Hyderabad   202 Oak Street, Kolkata   303 Maple Avenue, Chennai   404 Elm Street, Pune   505 Pine Avenue, Ahmedabad
+	set (0.00 sec)	+	+	<del> </del>	<del> </del>

2. List all orders for a specific customer.

	mysql> SELECT * FROM Courie	ers WHERE SenderName = (SE	ECT Name FROM	Users WHERE UserID = 2) OR R	eceiverName	= (SELECT N	ame FROM Users WHE	ERE UserID = 2);
ı	CourierID   SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
	2   Priya Patel	321 Oak Street, Kolkata	Anita Gupta	456 Maple Street, Bangalor	6.00	Delivered	TN789012	2023-03-28
	1 row in set (0.00 sec)	+		+	+	+	+	

3. List all couriers:

mysql> SELECT * FROM Couri	ers;							
CourierID   SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	
1   Raj Sharma	789 Pine Street, Delhi	Suresh Kumar	567 Elm Street, Mumbai	8.50	In Transit	TN123456	2023-04-01	
2   Priya Patel	321 Oak Street, Kolkata	Anita Gupta	456 Maple Street, Bangalore	6.00	Delivered	TN789012	2023-03-28	
3   Jyoti Singh	111 Pine Street, Hyderabad	Alok Gupta	222 Oak Street, Chennai	7.00	In Transit	TN654321	2023-04-05	
4   Arun Verma	505 Maple Avenue, Pune	Shweta Reddy	606 Elm Street, Ahmedabad	4.50	Delivered	TN987654	2023-04-02	
5   Kavita Patel	777 Oak Street, Delhi	Vinod Iyer	888 Maple Avenue, Mumbai	9.20	In Transit	TN789002	2023-04-08	
6   Rohit Deshmu	kh   999 Pine Street, Kolkata	Sneha Kapoor	111 Elm Street, Bangalore	6.80	Scheduled	TN345678	2023-04-10	
7   Raj Sharma	303 Oak Street, Hyderabad	Suman Mehra	404 Maple Avenue, Pune	5.30	Delivered	TN012345	2023-03-30	
8   Sangeeta Iye	r   202 Elm Street, Chennai	Vivek Desai	303 Pine Street, Ahmedabad	8.00	In Transit	TN678901	2023-04-12	ĺ
*8 rows in set (0.00 sec)		+	+	·	+	+	+	+

4. List all packages for a specific order:

mysql> SELECT * FROM Cour	iers WHERE CourierID = 7;						
CourierID   SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
7   Raj Sharma	303 Oak Street, Hyderabad	Suman Mehra	404 Maple Avenue, Pune	5.30	Delivered	TN012345	2023-03-30

5. List all deliveries for a specific courier:

mysql> SELECT * FROM Couriers WHERE Status = 'Deliver	ysql> SELECT * FROM Couriers WHERE Status = 'Delivered' AND CourierID = 2;												
CourierID   SenderName   SenderAddress	ReceiverName   ReceiverAddress	Weight   Status	TrackingNumber   Delivery	yDate									
2   Priya Patel   321 Oak Street, Kolkata	Anita Gupta   456 Maple Street, Bangalore	6.00   Delivered	TN789012   2023-03-	-28									
1 row in set (0.00 sec)		·											

6. List all undelivered packages:

mysql> SELECT	* FROM Couriers	WHERE Status <> 'Delivered';						
CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
3     5     6	Jyoti Singh Kavita Patel Rohit Deshmukh	789 Pine Street, Delhi 111 Pine Street, Hyderabad 777 Oak Street, Delhi 999 Pine Street, Kolkata 202 Elm Street, Chennai	Alok Gupta   Vinod Iyer   Sneha Kapoor	567 Elm Street, Mumbai 222 Oak Street, Chennai 888 Maple Avenue, Mumbai 111 Elm Street, Bangalore 303 Pine Street, Ahmedabad	7.00   9.20   6.80	In Transit In Transit In Transit Scheduled In Transit	TN654321   TN789002   TN345678	2023-04-01   2023-04-05   2023-04-08   2023-04-10   2023-04-12
5 rows in set	(0.00 sec)		,		,		•	·

7. List all packages that are scheduled for delivery today:

mysql> SELECT * FROM Couriers WHERE DeliveryDate = Empty set (0.00 sec)	CURDATE();					
mysql> SELECT * FROM Couriers WHERE DeliveryDate =	'2023-04-01';					
CourierID   SenderName   SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1   Raj Sharma   789 Pine Street, Delhi	Suresh Kumar	567 Elm Street, Mumbai	8.50	In Transit	TN123456	2023-04-01
1 row in set (0.00 sec)		<b>,</b>	+	+	<b>*</b>	+

8. List all packages with a specific status:

nysql> SELECT * FROM Couriers WHERE Status = 'Delivered';												
CourierID   SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate					
4   Arun Verma		Shweta Reddy	456 Maple Street, Bangalore 606 Elm Street, Ahmedabad 404 Maple Avenue, Pune	4.50	Delivered Delivered Delivered	TN987654	2023-03-28   2023-04-02   2023-03-30					
+3 rows in set (0.00 sec)				<del>+</del>								

9. Calculate the total number of packages for each courier.

10. Find the average delivery time for each courier

```
mysql> SELECT CourierID, AVG(DATEDIFF(DeliveryDate, '03-01-2023')) AS AvgDeliveryTime FROM Couriers GROUP BY CourierID;

| CourierID | AvgDeliveryTime |
| 1 | NULL |
| 2 | NULL |
| 3 | NULL |
| 4 | NULL |
| 5 | NULL |
| 6 | NULL |
| 7 | NULL |
| 8 | NULL |
| 1 | NULL |
| 1 | NULL |
| 1 | NULL |
| 2 | NULL |
| 3 | NULL |
| 4 | NULL |
| 5 | NULL |
| 6 | NULL |
| 7 | NULL |
| 8 | NULL |
| 8 | NULL |
```

11. List all packages with a specific weight range:

CourierID   Se	enderName	SenderAddress	ReceiverName	Name   ReceiverAddress		Status	TrackingNumber	DeliveryDate
3   Jy 4   Az 6   Ro	yoti Singh   run Verma   ohit Deshmukh	321 Oak Street, Kolkata 111 Pine Street, Hyderabad 505 Maple Avenue, Pune 999 Pine Street, Kolkata 303 Oak Street, Hyderabad	Alok Gupta Shweta Reddy Sneha Kapoor	456 Maple Street, Bangalore 222 Oak Street, Chennai 606 Elm Street, Ahmedabad 111 Elm Street, Bangalore 404 Maple Avenue, Pune	7.00 4.50 6.80	In Transit Delivered Scheduled	TN654321 TN987654 TN345678	2023-03-28 2023-04-05 2023-04-02 2023-04-10 2023-03-30

12. Retrieve employees whose names contain 'John'

13. Retrieve all courier records with payments greater than \$50.

```
mysql> SELECT c.* FROM Couriers c INNER JOIN Payments p ON c.CourierID = p.CourierID WHERE p.Amount > 50; Empty set (0.00 sec)
    nysql> SELECT c.* FROM Couriers c INNER JOIN Payments p ON c.CourierID = p.CourierID WHERE p.Amount > 10;
      CourierID | SenderName
                                                                                                                                                                                                                                                             | Weight | Status
                                                                                                                                                 | ReceiverName | ReceiverAddress
                                                                                                                                                                                                                                                                                                                   | TrackingNumber
                                                                                                                                                                                                                                                                                                                                                                DeliveryDate
                                                                            789 Pine Street, Delhi
321 Oak Street, Kolkata
111 Pine Street, Hyderaba
565 Maple Avenue, Pune
777 Oak Street, Delhi
999 Pine Street, Kolkata
303 Oak Street, Hyderabad
202 Elm Street, Chennai
                                                                                                                                                                                       567 FLm Street, Mumbai
456 Maple Street, Bangalore
222 Oak Street, Chennai
606 FLm Street, Ahmedabad
888 Maple Avenue, Mumbai
111 FLm Street, Bangalore
404 Manle Avenue, Pune
                                                                                                                                                  Suresh Kumar
Anita Gupta
Alok Gupta
Shweta Reddy
Vinod Iyer
Sneha Kapoor
Suman Mehra
Vivek Desai
                                                                                                                                                                                                                                                                                      In Transit
Delivered
In Transit
Delivered
In Transit
Scheduled
Delivered
In Transit
                                   Raj Sharma
Priya Patel
Jyoti Singh
Arun Verma
Kavita Patel
                                                                                                                                                                                                                                                                                                                        TN123456
                                                                                                                                                                                                                                                                      8.50
6.00
7.00
4.50
9.20
6.80
5.30
8.00
                                                                                                                                                                                                                                                                                                                       TN123456
TN789012
TN654321
TN987654
TN789002
TN345678
TN012345
TN678901
                                                                                                                                                                                        404 Maple Avenue, Pune
303 Pine Street, Ahmedabad
```

### Task-3 Group By, Aggregate Functions, Having, Order By, where:

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

15. Calculate the total revenue generated by each location

```
mysql> SELECT l.LocationName, SUM(p.Amount) AS TotalRevenue
    -> FROM Locations l
-> LEFT JOIN Payments p ON l.LocationID = p.LocationID
    -> GROUP BY 1.LocationName;
LocationName
                   TotalRevenue
 Main Office
                            20.00
 Branch Office
                            30.00
 Warehouse A
                            15.00
 Warehouse B
                            25.00
 Branch Office 2
                            18.00
 Branch Office 3
                            22.00
                            30.00
 Warehouse C
 Branch Office 4
                            20.00
8 rows in set (0.00 sec)
```

16. Find the total number of couriers delivered to each location.

```
mysql> SELECT l.LocationName, COUNT(c.CourierID) AS TotalCouriersDelivered
    -> FROM Locations l
   -> LEFT JOIN Couriers c ON l.LocationName = 'Kolkata'
   -> GROUP BY l.LocationName;
LocationName
                  | TotalCouriersDelivered |
 Main Office
 Branch Office
 Warehouse A
 Warehouse B
 Branch Office 2
 Branch Office 3
 Warehouse C
 Branch Office 4
                                         0
8 rows in set (0.01 sec)
```

17. Find the courier with the highest average delivery time:

18. Find Locations with Total Payments Less Than a Certain Amount

19. Calculate Total Payments per Location

```
mysql> SELECT l.LocationName, SUM(p.Amount) AS TotalPayments
    -> FROM Locations l
-> LEFT JOIN Payments p ON l.LocationID = p.LocationID
    -> GROUP BY l.LocationName;
 LocationName
                     | TotalPayments |
  Main Office
                                 30.00
15.00
  Branch Office
 Warehouse A
Warehouse B
                                 25.00
  Branch Office 2
Branch Office 3
                                 18.00
                                 22.00
30.00
  Warehouse C
                                 20.00
  Branch Office 4
8 rows in set (0.00 sec)
```

20. Retrieve couriers who have received payments totaling more than \$1000 in a specific location (LocationID = X):

21. Retrieve couriers who have received payments totaling more than \$1000 after a certain date (PaymentDate > 'YYYY-MM-DD'):

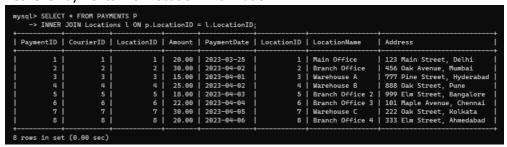
22. Retrieve locations where the total amount received is more than \$5000 before a certain date (PaymentDate > 'YYYY-MM-DD')

### Task-4 Inner Join, Full Outer Join, Cross Join, Left Outer Join, Right Outer Join:

23. Retrieve Payments with Courier Information

PaymentID	CourierID	LocationID	Amount	PaymentDate	CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDat
1	1	1	20.00	2023-03-25	1	Raj Sharma	789 Pine Street, Delhi	Suresh Kumar	567 Elm Street, Mumbai	8.50	In Transit	TN123456	2023-04-01
2	2	2	30.00	2023-04-02	2	Priya Patel	321 Oak Street, Kolkata	Anita Gupta	456 Maple Street, Bangalore	6.00	Delivered	TN789012	2023-03-28
3	3	3	15.00	2023-04-01	3	Jyoti Singh	111 Pine Street, Hyderabad	Alok Gupta	222 Oak Street, Chennai	7.00	In Transit	TN654321	2023-04-05
4	4	4	25.00	2023-04-02	4	Arun Verma	505 Maple Avenue, Pune	Shweta Reddy	606 Elm Street, Ahmedabad	4.50	Delivered	TN987654	2023-04-02
5	5	5	18.00	2023-04-03	5	Kavita Patel	777 Oak Street, Delhi	Vinod Iyer	888 Maple Avenue, Mumbai	9.20	In Transit	TN789802	2023-04-08
6	6	6	22.00	2023-04-04	6	Rohit Deshmukh	999 Pine Street, Kolkata	Sneha Kapoor	111 Elm Street, Bangalore	6.80	Scheduled	TN345678	2023-04-10
7	7	7	30.00	2023-04-05	7	Raj Sharma	303 Oak Street, Hyderabad	Suman Mehra	404 Maple Avenue, Pune	5.30	Delivered	TN012345	2023-03-30
8	8	8	20.00	2023-04-06	8	Sangeeta Iyer	202 Elm Street, Chennai	Vivek Desai	303 Pine Street, Ahmedabad	8.00	In Transit	TN678901	2023-04-12

24. Retrieve Payments with Location Information



25. Retrieve Payments with Courier and Location Information

my	-> INNER	* FROM PAYM JOIN Courier JOIN Location	s c ON p.Cou		c.CourierID = l.LocationID												
Ī	PaymentID	CourierID	LocationID	Amount	PaymentDate	CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	LocationID	LocationName	Address
ï	1	1		20.00	2023-03-25	1	Raj Sharma	789 Pine Street, Delhi	Suresh Kumar	567 Elm Street, Mumbai		In Transit		2023-04-01	1	Main Office	123 Main Street, Delhi
	2	2		30.00	2023-04-02	2	Priya Patel	321 Oak Street, Kolkata	Anita Gupta	456 Maple Street, Bangalore	6.88	Delivered	TN789812	2023-03-28		Branch Office	456 Oak Avenue, Mumbai
i i	3	3			2023-04-01		Jyoti Singh	111 Pine Street, Hyderabad				In Transit		2023-04-05			777 Pine Street, Hyderabad
1	4	4 [		25.00	2023-04-02	4	Arun Verma	505 Maple Avenue, Pune	Shweta Reddy	606 Elm Street, Ahmedabad	4.50	Delivered	TN987654	2023-04-02			888 Oak Street, Pune
1	5	5		18.00	2023-04-03	5	Kavita Patel	777 Oak Street, Delhi	Vinod Iyer	888 Maple Avenue, Mumbai	9.28	In Transit	TN789882	2023-04-08		Branch Office 2	999 Elm Street, Bangalore
	6	6		22.00	2823-84-84	6	Rohit Deshmukh	999 Pine Street, Kolkata	Sneha Kapoor	111 Elm Street, Bangalore	6.80	Scheduled	TN345678	2823-84-18	6	Branch Office 3	181 Maple Avenue, Chennai
	7	7		30.00	2023-04-05			303 Oak Street, Hyderabad				Delivered		2023-03-30			222 Oak Street, Kolkata
- 1	8			20.00	2023-04-06	8	Sangeeta Iyer	202 Elm Street, Chennai	Vivek Desai	303 Pine Street, Ahmedabad	8.66	In Transit	TN678901	2023-04-12		Branch Office 4	333 Elm Street, Ahmedabad
8	rows in set	(0.00 sec)															

26. List all payments with courier details

		rs c ON p.Cour	Terib - 0										
PaymentID	CourierID	LocationID	Amount	PaymentDate	CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	1	1	20.00	2023-03-25	1	Raj Sharma	789 Pine Street, Delhi	Suresh Kumar	567 Elm Street, Mumbai	8.50	In Transit	TN123456	2023-04-01
2		2	30.00	2023-04-02		Priya Patel	321 Oak Street, Kolkata	Anita Gupta	456 Maple Street, Bangalore	6.00	Delivered	TN789012	2023-03-28
3		] 3	15.00	2023-04-01		Jyoti Singh	111 Pine Street, Hyderabad	Alok Gupta	222 Oak Street, Chennai	7.00	In Transit	TN654321	2023-04-05
4		4	25.00	2023-04-02		Arun Verma	505 Maple Avenue, Pune	Shweta Reddy	606 Elm Street, Ahmedabad	4.50	Delivered	TN987654	2023-04-02
5		5	18.00	2023-04-03		Kavita Patel	777 Oak Street, Delhi	Vinod Iyer	888 Maple Avenue, Mumbai	9.20	In Transit	TN789002	2023-04-08
6		6	22.00	2023-04-04		Rohit Deshmukh	999 Pine Street, Kolkata	Sneha Kapoor	111 Elm Street, Bangalore	6.80	Scheduled	TN345678	2023-04-10
7		7	30.00	2023-04-05		Raj Sharma	303 Oak Street, Hyderabad	Suman Mehra	404 Maple Avenue, Pune	5.30	Delivered	TN012345	2023-03-30
8		8	28.88	2023-04-06		Sangeeta Iyer	202 Elm Street, Chennai	Vivek Desai	303 Pine Street, Ahmedabad	8.66	In Transit	TN678901	2023-04-12

27. Total payments received for each courier

```
mysql> SELECT c.CourierID, SUM(p.Amount) AS TotalPayments From CourierS c
-> LEFT JOIN Payments p ON c.CourierID = p.CourierID GROUP BY c.CourierID;

| CourierID | TotalPayments |
| 1 | 20.00 |
| 2 | 30.00 |
| 3 | 15.00 |
| 4 | 25.00 |
| 5 | 18.00 |
| 6 | 22.00 |
| 7 | 30.00 |
| 8 | 20.00 |
| 8 rows in set (0.00 sec)
```

28. List payments made on a specific date

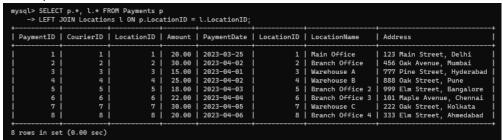
```
mysql> SELECT * FROM Payments
    -> WHERE PaymentDate = '2023-03-25';

| PaymentID | CourierID | LocationID | Amount | PaymentDate |
| 1 | 1 | 1 | 20.00 | 2023-03-25 |
| 1 row in set (0.00 sec)
```

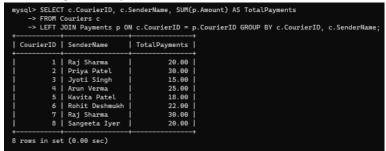
29. Get Courier Information for Each Payment

PaymentID	CourierID	LocationID	Amount	PaymentDate	CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDat
1	1	1	20.00	2023-03-25	1	Raj Sharma	789 Pine Street, Delhi	Suresh Kumar	567 Elm Street, Mumbai	8.50	In Transit	TN123456	2023-04-01
2		1 2	30.00	2023-04-02	2	Priya Patel	321 Oak Street, Kolkata	Anita Gupta	456 Maple Street, Bangalore	6.00	Delivered	TN789012	2023-03-28
3		3	15.00	2023-04-01	3	Jyoti Singh	111 Pine Street, Hyderabad	Alok Gupta	222 Oak Street, Chennai	7.00	In Transit	TN654321	2023-04-05
4		4	25.00	2023-04-02	4	Arun Verma	505 Maple Avenue, Pune	Shweta Reddy	606 Elm Street, Ahmedabad	4.50	Delivered	TN987654	2023-04-02
5		5	18.00	2023-04-03	5	Kavita Patel	777 Oak Street, Delhi	Vinod Iyer	888 Maple Avenue, Mumbai	9.20	In Transit	TN789002	2023-04-08
6		6	22.00	2023-04-04	6	Rohit Deshmukh	999 Pine Street, Kolkata	Sneha Kapoor	111 Elm Street, Bangalore	6.80	Scheduled	TN345678	2023-04-10
7		7	30.00	2023-04-05	7	Raj Sharma	303 Oak Street, Hyderabad	Suman Mehra	404 Maple Avenue, Pune	5.30	Delivered	TN012345	2023-03-30
8	8	8	20.00	2023-04-06	8	Sangeeta Iyer	202 Elm Street, Chennai	Vivek Desai	303 Pine Street, Ahmedabad	8.00	In Transit	TN678901	2023-04-12

30. Get Payment Details with Location



31. Calculating Total Payments for Each Courier



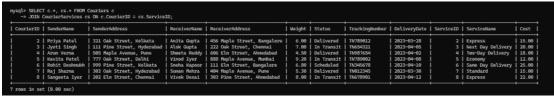
32. List Payments Within a Date Range



33. Retrieve a list of all users and their corresponding courier records, including cases where there are no matches on either side

ql> SELECT u.*, c.* -> FROM Users u JOIN Couriers c ON u.Name = c.Sendo										
serID   Name   Email   Passw	rd   ContactNumber	Address	CourierID   SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status   Tra	ackingNumber	DeliveryDate
1   Raj Sharma   raj.sharma@email.com   passw 2   Priya Patel   priya.patel@email.com   passw 1   Raj Sharma   raj.sharma@email.com   passw	6 7890123456	456 Oak Avenue, Mumbai	2   Priya Patel	321 Oak Street, Kolkata	Anita Gupta	567 Elm Street, Mumbai   456 Maple Street, Bangalore   484 Maple Avenue, Pune	6.00	Delivered   TNT	789012	2023-04-01   2023-03-28   2023-03-30

34. Retrieve a list of all couriers and their corresponding services, including cases where there are no matches on either side



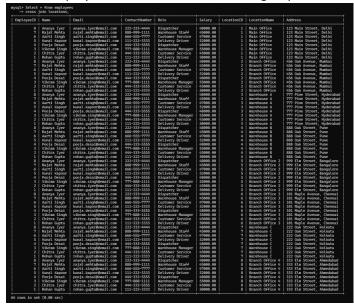
35. Retrieve a list of all employees and their corresponding payments, including cases where there are no matches on either side

gl> SELECT	e.*, p.* FROM XXIN Payments p									
mployeeID			ContactNumber	Role	Salary	PaymentID	CourierID	LocationID	Amount	PaymentDate
8	Ananya Iyer	ananya.iyer@enail.com	222-333-4444	Dispatcher	48999.99	1	1	1	29.99	2023-03-25
	Rajat Mehta	rajat.mehta@email.com	888-999-1111	Marchouse Staff	45999.99	1 1			20.00	2023-03-25
	Aarti Singh	aarti.singh@enail.com	666-555-7777	Customer Service	47999.99	1 1			20.00	2023-03-25
	Kunal Kapoor	kunal.kapoor@email.com	111-222-3333	Delivery Driver	52999.99	1 1			29.99	2023-03-25
	Pooja Desai	pooja.desai@email.com	444-333-5555	Dispatcher	43999.99	1 1			29.99	2023-03-25
	Vikram Singh	vikram.singh@email.com	777-888-1111	Marehouse Manager	55999.99	1 1			29.99	2023-03-25
	Chitra Iyer	chitra.iyer@email.com	444-333-5555	Customer Service	45999.99	1 1			29.99	2023-03-25
	Rohan Gupta	rohan.gupta@email.com	111-222-3333	Delivery Driver	59999.99	! 1			20.00	2023-03-25
8	Ananya Iyer	ananya.iyer@email.com	222-333-4444	Dispatcher	48999.99	] 2				2923-94-92
	Rajat Mehta	rajat.mehta@email.com	888-999-1111	Marchouse Staff	45999.09	2				2923-94-92
6 5	Aarti Singh   Kunal Kappor	aarti.singh@email.com   kunal.kappor@email.com	666-555-7777   111-222-3333	Customer Service   Delivery Driver	47999.99 52999.99	] 2     2				2023-04-02   2023-04-02
4	Pooja Desai	pooja.desai@email.com	444-333-5555	Dispatcher	48999.99	2				2023-04-02
3	Vikram Singh	vikram.singh@email.com	777-888-1111	Marchouse Manager	55999.99	2				2023-04-02
2	Chitra Iyer	chitra.iyer@email.com	444-333-5555	Customer Service	45888.88	2				2023-04-02
1	Rohan Guota	rohan.gupta@email.com	111-222-3333	Delivery Driver	59999.99	2				2023-04-02
8	Ananya Iyer	ananya.iyer@enail.com	222-333-4444	Dispatcher	48999.99	3			15.00	2023-04-01
7	Rajat Hehta	rajat.mehta@email.com	888-999-1111	Marchouse Staff	45666.66	3			15.00	2023-04-01
6	Aarti Singh	aarti.singh@enail.com	666-555-7777	Customer Service	47999.99	3			15.68	2023-04-01
5	Kunal Kanoor	kunal.kapoor@email.com	111-222-3333	Delivery Driver	52999.99	i 3			15.00	2023-04-01
4	Pooja Desai	pooja.desai@email.com	444-333-5555	Dispatcher	48999.99	i 3			15.00	2023-04-01
	Vikram Singh	vikram.singh@email.com	777-888-1111	Marchouse Manager	55999.99	3		] 3	15.00	2823-84-81
2	Chitra Iyer	chitra.iyer@email.com	444-333-5555	Customer Service	45888.88	3		] 3	15.00	2023-04-01
	Rohan Gupta	rohan.gupta@email.com	111-222-3333	Delivery Driver	59999.99	3		] 3	15.00	2023-04-01
	Ananya Iyer	ananya.iyer@enail.com	222-333-4444	Dispatcher	43999.99	4			25.00	2023-04-02
	Rajat Mehta	rajat.mehta@email.com	888-999-1111	Marchouse Staff	45699.00	4			25.00	2023-04-02
	Aarti Singh	aarti.singh@enail.com	666-555-7777	Customer Service	47999.99	4			25.00	2023-04-02
5	Kunal Kapoor	kunal.kapoor@email.com	111-222-3333	Delivery Driver	52999.99	4			25.00	2023-04-02
	Pooja Desai	pooja.desai@email.com	444-333-5555	Dispatcher	48999.99	4			25.00	2023-04-02
	Vikran Singh	vikram.singh@email.com	777-888-1111	Marehouse Manager	55999.99	4			25.00	2023-04-02
		chitra.iyer@email.com	444-333-5555	Customer Service	45999.99	4			25.00	2823-84-82
		rohan.gupta@email.com	111-222-3333	Delivery Driver	59999.99	! 4!			25.00	2023-04-02
8		ananya.iyer@email.com	222-333-4444 888-999-1111	Dispatcher	48888.88 45888.88	5    5			18.00	2023-04-03 2023-04-03
6		rajat.mehta@email.com   aarti.singh@email.com	666-555-7777	Marehouse Staff   Customer Service	47999.99	5			18.00	2023-04-03
5		kunal.kapoor@email.com	111-222-3333	Delivery Driver	52888.88	5			18.00	2023-04-03
4		poota.desai@email.com	444-333-5555	Dispatcher	48999.99	5			18.00	2023-04-03
3		vikram.singh@email.com	777-888-1111	Marchouse Manager	55888.88	5			18.66	2023-04-03
2	Chitra Iyer	chitra.iyer@email.com	444-333-5555	Customer Service	45999.99	5			18.66	2023-04-03
	Rohan Gupta	rohan.gupta@email.com	111-222-3333	Delivery Driver	59999.99	5			18.66	2023-04-03
8	Ananya Iver	ananya.iver@email.com	222-333-4444	Dispatcher	48999.99				22.68	2023-04-04
	Rajat Mehta	rajat.mehta@email.com	888-999-1111	Marchouse Staff	45999.00	6			22.00	2823-84-84
6	Aarti Singh	aarti.singh@email.com	666-555-7777	Customer Service	47999.99	6			22.00	2823-84-84
5	Kunal Kapoor	kunal.kapoor@email.com	111-222-3333	Delivery Driver	52999.09	6		I 6	22.00	2023-04-04
	Pooja Desai	pooja.desai@email.com	444-333-5555	Dispatcher	48999.99	6		6	22.68	2023-04-04
	Vikram Singh	vikram.singh@email.com	777-888-1111	Marchouse Manager	55999.99	6			22.00	2923-94-94
	Chitra Iyer	chitra.iyer@email.com	444-333-5555	Customer Service	45999.99	6			22.00	2923-94-94
	Rohan Gupta	rohan.gupta@email.com	111-222-3333	Delivery Driver	59999.99	6			22.68	2023-04-04
	Ananya Iyer	ananya.iyer@email.com	222-333-4444	Dispatcher	48999.99	7				2023-04-05
	Rajat Mehta	rajat.mehta@email.com	888-999-1111	Marehouse Staff	45999.99	7				2023-04-05
	Aarti Singh	aarti.singh@email.com	666-555-7777	Customer Service	47999.09	! 7 !				2023-04-05
5	Kunal Kapoor	kunal.kapoor@email.com	111-222-3333	Delivery Driver	52999.99	! 7 !				2923-94-95
4	Pooja Desai	pooja.desai@email.com	444-333-5555	Dispatcher	48999.09	7				2023-04-05
3	Vikram Singh	vikram.singh@email.com	777-888-1111	Marchouse Manager	55999.99	7				2023-04-05
2	Chitra Iyer	chitra.iyer@email.com	444-333-5555 1111-222-3333	Customer Service	45999.99 59999.99	7     7			39.99	2923-94-95 2923-94-95
8	Rohan Gupta	rohan.gupta@email.com	111-222-3333   222-333-4444	Delivery Driver   Dispatcher	59999.99   48999.99	7    8			39.99	2023-04-05   2023-04-06
8	Ananya Iyer   Rajat Mehta	ananya.iyer@email.com   rajat.mehta@email.com	222-333-4444   888-999-1111	Dispatcher   Marehouse Staff	48999.99   45999.99	8    8			29.99	2023-04-06   2023-04-06
6	Majat Menta   Aarti Singh	rajat.mentagemail.com   aarti.singh@email.com	888-999-1111   666-555-7777	Marenouse Staff	47999.99	1 8			20.00	2023-04-06   2023-04-06
5	Kunal Kapoor	kunal.kapoor@email.com	111-222-3333	Delivery Driver	52999.99				20.00	2023-04-06
	Pooja Desai	pooja.desai@email.com	444-333-5555	Dispatcher	48999.00	8		, °,		2023-04-06
3	Vikram Singh	vikran.singh@email.com	777-888-1111	Marehouse Manager	55888.88	8		. 8		2023-04-06
2	Chitra Iver	chitra.iyer@email.com	444-333-5555	Customer Service	45999.99	8				
1			111-222-3333	Delivery Driver	59999.99	8				2023-04-06

36. List all users and all courier services, showing all possible combinations.

UserID	Name	Email	Password	ContactNumber	Address	ServiceID	ServiceName	Cost
8	Meera Iyer	meera.iyer@email.com	meera987	3210987654	505 Pine Avenue, Ahmedabad	2	Express	15.00
7	Sanjay Mehra	sanjay.mehra@email.com	sanjay789	4321098765	404 Elm Street, Pune		Express	15.00
6	Anjali Desai	anjali.desai@email.com	anjali456	5432109876	303 Maple Avenue, Chennai		Express	15.00
5	Rahul Kapoor	rahul.kapoor@email.com	rahul567	6543210987	202 Oak Street, Kolkata	2	Express	15.00
4 3	Neha Reddy	neha.reddy@email.com	neha456	7654321098	101 Pine Avenue, Hyderabad	2 2	Express	15.00
2	Amit Verma Priva Patel	amit.verma@email.com priya.patel@email.com	amit123 pass456	8765432109 7890123456	789 Elm Street, Bangalore   456 Oak Avenue. Mumbai	2	Express   Express	15.00   15.00
1	Raj Sharma	raj.sharma@email.com	password123	9876543210	123 Main Street, Delhi	2	Express	15.00
8	Meera Iver	meera.iyer@email.com	meera987	3210987654	505 Pine Avenue, Ahmedabad	3	Next Day Delivery	20.00
7	Sanjay Mehra	sanjay.mehra@email.com	sanjay789	4321098765	404 Elm Street, Pune	3	Next Day Delivery	20.00
6	Anjali Desai	anjali.desai@email.com	anjali456	5432109876	303 Maple Avenue, Chennai	3	Next Day Delivery	20.00
5	Rahul Kapoor	rahul.kapoor@email.com	rahul567	6543210987	202 Oak Street, Kolkata		Next Day Delivery	20.00
4	Neha Reddy	neha.reddy@email.com	neha456	7654321098	101 Pine Avenue, Hyderabad		Next Day Delivery	20.00
3	Amit Verma	amit.verma@email.com	amit123	8765432109	789 Elm Street, Bangalore		Next Day Delivery	20.08
2	Priya Patel	priya.patel@email.com	pass456	7890123456	456 Oak Avenue, Mumbai		Next Day Delivery	20.00
1	Raj Sharma	raj.sharma@email.com	password123	9876543210	123 Main Street, Delhi		Next Day Delivery	20.08
8	Meera Iyer	meera.iyer@email.com	meera987	3210987654	505 Pine Avenue, Ahmedabad	4 4	Two-Day Delivery	18.00
7	Sanjay Mehra	sanjay.mehra@email.com	sanjay789	4321098765	404 Elm Street, Pune		Two-Day Delivery	18.00
6 5	Anjali Desai Rahul Kapoor	anjali.desai@email.com rahul.kapoor@email.com	anjali456 rahul567	5432109876 6543210987	303 Maple Avenue, Chennai   202 Oak Street, Kolkata	4 4	Two-Day Delivery   Two-Day Delivery	18.06   18.06
4	Neha Reddy	neha.reddy@email.com	neha456	76543210987	101 Pine Avenue, Hyderabad	4	Two-Day Delivery	18.00
3	Amit Verma	amit.verma@email.com	amit123	87654321098	789 Elm Street, Bangalore	4	Two-Day Delivery	18.00
2	Priva Patel	priya.patel@email.com	pass456	7890123456	456 Oak Avenue, Mumbai	- 4	Two-Day Delivery	18.00
ī	Raj Sharma	raj.sharma@email.com	password123	9876543210	123 Main Street, Delhi	4	Two-Day Delivery	18.00
8	Meera Iyer	meera.iyer@email.com	meera987	3210987654	505 Pine Avenue, Ahmedabad	5	Economy	12.06
7	Sanjay Mehra	sanjay.mehra@email.com	sanjay789	4321098765	404 Elm Street, Pune	5	Economy	12.06
6	Anjali Desai	anjali.desai@email.com	anjali456	5432109876	303 Maple Avenue, Chennai		Economy	12.08
5	Rahul Kapoor	rahul.kapoor@email.com	rahul567	6543210987	202 Oak Street, Kolkata		Economy	12.06
4	Neha Reddy	neha.reddy@email.com	neha456	7654321098	101 Pine Avenue, Hyderabad		Economy	12.06
3	Amit Verma	amit.verma@email.com	amit123	8765432109	789 Elm Street, Bangalore		Economy	12.08
2	Priya Patel	priya.patel@email.com	pass456	7890123456	456 Oak Avenue, Mumbai	5	Economy	12.00
1	Raj Sharma	raj.sharma@email.com meera.iver@email.com	password123	9876543210	123 Main Street, Delhi	5	Economy	12.06
8 7	Meera Iyer	meera.iyerpemail.com sanjay.mehra@email.com	meera987	3210987654 4321098765	505 Pine Avenue, Ahmedabad   404 Elm Street, Pune	6	Same Day Delivery   Same Day Delivery	25.00
6	Sanjay Mehra Anjali Desai	aniali.desai@email.com	sanjay789 anjali456	5432109876	303 Maple Avenue, Chennai	6	Same Day Delivery	25.00
5	Rahul Kapoor	rahul.kapoor@email.com	rahul567	6543210987	202 Oak Street, Kolkata	6	Same Day Delivery	25.00
ŭ	Neha Reddy	neha.reddy@email.com	neha456	7654321098	101 Pine Avenue, Hyderabad	6	Same Day Delivery	25.00
3	Amit Verma	amit.verma@email.com	amit123	8765432109	789 Elm Street, Bangalore	6	Same Day Delivery	25.00
2	Priva Patel	priva.patel@email.com	pass456	7890123456	456 Oak Avenue, Mumbai	6	Same Day Delivery	25.06
1	Raj Sharma	raj.sharma@email.com	password123	9876543210	123 Main Street, Delhi		Same Day Delivery	25.06
8	Meera Iyer	meera.iyer@email.com	meera987	3210987654	505 Pine Avenue, Ahmedabad		Standard	15.00
7	Sanjay Mehra	sanjay.mehra@email.com	sanjay789	4321098765	404 Elm Street, Pune		Standard	15.00
6	Anjali Desai	anjali.desai@email.com	anjali456	5432109876	303 Maple Avenue, Chennai		Standard	15.00
5	Rahul Kapoor	rahul.kapoor@email.com	rahul567	6543210987	202 Oak Street, Kolkata	7	Standard	15.00
4	Neha Reddy	neha.reddy@email.com	neha456	7654321098	101 Pine Avenue, Hyderabad   789 Elm Street, Bangalore	7	Standard	15.00
3 2	Amit Verma Priya Patel	amit.verma@email.com priya.patel@email.com	amit123 pass456	8765432109 7890123456	789 Elm Street, Bangalore   456 Oak Avenue, Mumbai	7 7	Standard   Standard	15.00
1	Raj Sharma	raj.sharma@email.com	password123	9876543210	456 Oak Avenue, Mumbai   123 Main Street, Delhi		Standard   Standard	15.00
8	Meera Iyer	meera.iyer@email.com	meera987	3210987654	505 Pine Avenue, Ahmedabad	8	Express	22.06
7	Sanjay Mehra	sanjay.mehra@email.com	sanjay789	4321098765	404 Elm Street, Pune	8	Express	22.00
6	Aniali Desai	aniali.desai@email.com	aniali456	5432109876	303 Maple Avenue. Chennai	8	Express	22.00
5	Rahul Kapoor	rahul.kapoor@email.com	rahul567	6543210987	202 Oak Street, Kolkata	8	Express	22.00
4	Neha Reddy	neha.reddv@email.com	neha456	7654321098	101 Pine Avenue, Hyderabad		Express	22.08
3	Amit Verma	amit.verma@email.com	amit123	8765432109	789 Elm Street, Bangalore		Express	22.08
2	Priya Patel	priya.patel@email.com	pass456	7890123456	456 Oak Avenue, Mumbai		Express	22.00
1	Raj Sharma	raj.sharma@email.com	password123	9876543210	123 Main Street, Delhi	. 8	Express	22.00
8	Meera Iyer	meera.iyer@email.com	meera987	3210987654	505 Pine Avenue, Ahmedabad	11	Delivery Driver	20.00
7	Sanjay Mehra	sanjay.mehra@email.com	sanjay789	4321098765	404 Elm Street, Pune	11	Delivery Driver	20.00
6 5	Anjali Desai	anjali.desai@email.com	anjali456	5432109876	303 Maple Avenue, Chennai	11	Delivery Driver	20.00
5 4	Rahul Kapoor Neha Reddy	rahul.kapoor@email.com neha.reddy@email.com	rahul567 neha456	6543210987 7654321098	202 Oak Street, Kolkata 101 Pine Avenue, Hyderabad	11	Delivery Driver   Delivery Driver	20.00
3	Amit Verma	amit.verma@email.com	amit123	87654321098	789 Elm Street. Bangalore	11	Delivery Driver	20.00
2	Priya Patel	priya.patel@email.com	pass456	7890123456	456 Oak Avenue, Mumbai	11	Delivery Driver	20.00
1	Raj Sharma	raj.sharma@email.com	password123		123 Main Street, Delhi	11	Delivery Driver	20.00

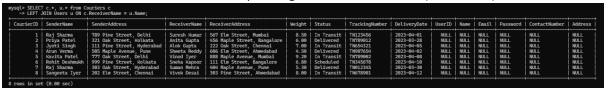
37. List all employees and all locations, showing all possible combinations:



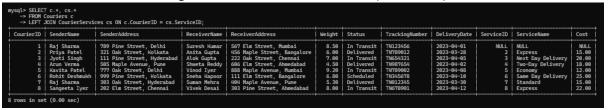
38. Retrieve a list of couriers and their corresponding sender information (if available)



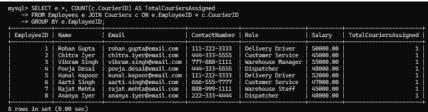
39. Retrieve a list of couriers and their corresponding receiver information (if available)



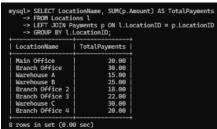
40. Retrieve a list of couriers along with the courier service details (if available):



41. Retrieve a list of employees and the number of couriers assigned to each employee:



42. Retrieve a list of locations and the total payment amount received at each location



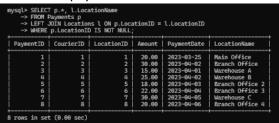
43. Retrieve all couriers sent by the same sender (based on SenderName).



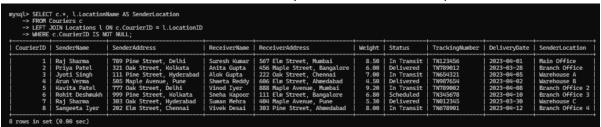
44. List all employees who share the same role.



45. Retrieve all payments made for couriers sent from the same location.



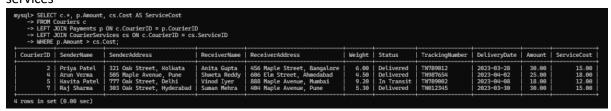
46. Retrieve all couriers sent from the same location (based on SenderAddress).



47. List employees and the number of couriers they have delivered:

```
ELECT e *, COUNT(c. CourierID) AS TotalCouriersDelia
ROM Employees e
EFT JOIN Couriers c ON e EmployeeID = c.CourierID
HARRE c.Status = 'Delivered'
ROUP BY e EmployeeID;
                                                                                              | ContactNumber | Role
                                                                                                                                                                            | Salary | TotalCouriersDelivered |
                                        Email
             Chitra Iyer | chitra.iyer@email.com
Pooja Desai | pooja.desai@email.com
Rajat Mehta | rajat.mehta@email.com
```

48. Find couriers that were paid an amount greater than the cost of their respective courier services



## Task-5 Scope: Inner Queries, Non Equi Joins, Equi joins, Exist, Any, All:

49. Find couriers that have a weight greater than the average weight of all couriers



50. Find the names of all employees who have a salary greater than the average salary:



51. Find the total cost of all courier services where the cost is less than the maximum cost

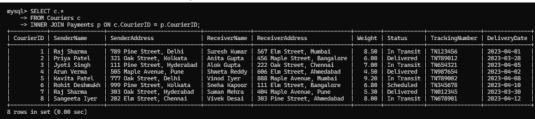
```
mysql> SELECT SUM(Cost) AS TotalCost

-> FROM CourierServices

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

| TotalCost |
| 122.00 |
| 1 row in set (0.00 sec)
```

52. Find all couriers that have been paid for



53. Find the locations where the maximum payment amount was made

```
mysql> SELECT L.LocationName FROM Locations l
--> WHERE LocationID = (SELECT LocationID FROM Payments ORDER BY Amount DESC LIMIT 1);

LocationName |

Branch Office |

1 row in set (0.00 sec)
```

54. Find all couriers whose weight is greater than the weight of all couriers sent by a specific sender (e.g., 'SenderName'):

