

ASSIGNMENT-4

COURIER MANAGEMENT SYSTEM

BY

VINODHA R

TASK-1:

I. Creating a Database

QUERY: CREATE DATABASE CourierManagementDB;

```
MySQL localhost:3306 ssl SQL > CREATE DATABASE CourierManagementDB;
Query OK, 1 row affected (0.0198 sec)

MySQL localhost:3306 ssl SQL > SHOW DATABASES;
+-----+
| Database |
+-----+
| couriermanagementdb |
| db |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
6 rows in set (0.0015 sec)
```

II. Creating Tables

- User Table

```
MySQL localhost:3306 ssl SQL > USE CourierManagementDB;
Default schema set to 'CourierManagementDB'.
Fetching global names, object names from 'couriermanagementdb' for auto-completion... Press ^C to stop
MySQL localhost:3306 ssl couriermanagementdb SQL > CREATE TABLE User(UserID INT PRIMARY KEY,
-> Name VARCHAR(255),
-> Email VARCHAR(255) UNIQUE,
-> Password VARCHAR(255),
-> ContactNumber VARCHAR(20),
-> Address TEXT
-> );
Query OK, 0 rows affected (0.0777 sec)

MySQL localhost:3306 ssl couriermanagementdb SQL > DESC User
-> ;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| UserID | int | NO | PRI | NULL | |
| Name | varchar(255) | YES | | NULL | |
| Email | varchar(255) | YES | UNI | NULL | |
| Password | varchar(255) | YES | | NULL | |
| ContactNumber | varchar(20) | YES | | NULL | |
| Address | text | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.0094 sec)
```

■ Courier Table

```
MySQL localhost:3306 ssl couriermanagementdb SQL > CREATE TABLE Courier(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 (0.0597 sec)  
MySQL localhost:3306 ssl couriermanagementdb SQL > DESC Courier  
-> ;  
+-----+-----+-----+-----+-----+-----+  
| Field | Type | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| CourierID | int | NO | PRI | NULL | |  
| SenderName | varchar(255) | YES | | NULL | |  
| SenderAddress | text | YES | | NULL | |  
| ReceiverName | varchar(255) | YES | | NULL | |  
| ReceiverAddress | text | YES | | NULL | |  
| Weight | decimal(5,2) | YES | | NULL | |  
| Status | varchar(50) | YES | | NULL | |  
| TrackingNumber | varchar(20) | YES | UNI | NULL | |  
| DeliveryDate | date | YES | | NULL | |  
+-----+-----+-----+-----+-----+-----+  
9 rows in set (0.0033 sec)
```

■ Courier Services Table

```
MySQL localhost:3306 ssl couriermanagementdb SQL > CREATE TABLE CourierServices  
-> (ServiceID INT PRIMARY KEY,  
-> ServiceName VARCHAR(100),  
-> Cost DECIMAL(8,2)  
-> );  
Query OK, 0 rows affected (0.1322 sec)  
MySQL localhost:3306 ssl couriermanagementdb SQL > DESC CourierServices  
-> ;  
+-----+-----+-----+-----+-----+-----+  
| Field | Type | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| ServiceID | int | NO | PRI | NULL | |  
| ServiceName | varchar(100) | YES | | NULL | |  
| Cost | decimal(8,2) | YES | | NULL | |  
+-----+-----+-----+-----+-----+-----+  
3 rows in set (0.0363 sec)
```

■ Employee Table

```
MySQL localhost:3306 ssl couriermanagementdb SQL > CREATE TABLE Employee(EmpID 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 (0.0832 sec)  
MySQL localhost:3306 ssl couriermanagementdb SQL > DESC Employee  
-> ;  
+-----+-----+-----+-----+-----+-----+  
| Field | Type | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| EmpID | int | NO | PRI | NULL | |  
| Name | varchar(255) | YES | | NULL | |  
| Email | varchar(255) | YES | UNI | NULL | |  
| ContactNumber | varchar(20) | YES | | NULL | |  
| Role | varchar(50) | YES | | NULL | |  
| Salary | decimal(10,2) | YES | | NULL | |  
+-----+-----+-----+-----+-----+-----+  
6 rows in set (0.0048 sec)
```

- Location Table

```
MySQL localhost:3306 ssl couriermanagementdb SQL > CREATE TABLE Location(LocationID INT PRIMARY KEY,
-> LocationName VARCHAR(100),
-> Address TEXT);
Query OK, 0 rows affected (0.0260 sec)
MySQL localhost:3306 ssl couriermanagementdb SQL > DESC Location
-> ;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| LocationID | int | NO | PRI | NULL | |
| LocationName | varchar(100) | YES | | NULL | |
| Address | text | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.0060 sec)
```

- Payment Table

```
MySQL localhost:3306 ssl couriermanagementdb SQL > 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)
-> );
Query OK, 0 rows affected (0.0606 sec)
MySQL localhost:3306 ssl couriermanagementdb SQL > desc Payment
-> ;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| PaymentID | int | NO | PRI | NULL | |
| CourierID | int | YES | MUL | NULL | |
| LocationID | int | YES | MUL | NULL | |
| Amount | decimal(10,2) | YES | | NULL | |
| PaymentDate | date | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.0044 sec)
```

Note: As there is a need for one more table, creating the parcel table in addition to the tables given.

- Parcel Table

```
MySQL localhost:3306 ssl couriermanagementdb SQL > CREATE TABLE Parcel (
-> ParcelID INT PRIMARY KEY,
-> CourierID INT,
-> Description VARCHAR(255),
-> Weight DECIMAL(5,2),
-> Status VARCHAR(50),
-> FOREIGN KEY (CourierID) REFERENCES Courier(CourierID)
-> );
Query OK, 0 rows affected (0.1040 sec)
MySQL localhost:3306 ssl couriermanagementdb SQL > desc Parcel;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| ParcelID | int | NO | PRI | NULL | |
| CourierID | int | YES | MUL | NULL | |
| Description | varchar(255) | YES | | NULL | |
| Weight | decimal(5,2) | YES | | NULL | |
| Status | varchar(50) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.0128 sec)
```

III. Inserting values into the tables

■ User Table

```
MySQL localhost:3306 ssl couriermanagementdb SQL > INSERT INTO User VALUES
-> (121, 'Brindha', 'brindha10@gmail.com', 'bri204', '9857679819', 'Chennai'),
-> (122, 'Agnes', 'agnes94@gmail.com', 'agnes12', '9786564872', 'Madurai'),
-> (123, 'John', 'johnjohn@gmail.com', 'john70', '8270465829', 'Coimbatore'),
-> (124, 'Mary', 'maryjose@gmail.com', 'maryj', '9896284637', 'Tiruchirapalli'),
-> (125, 'Lavanya', 'lavanya04@gmail.com', 'lavs', '7308952618', 'Kumbakonam');

Query OK, 5 rows affected (0.0320 sec)

Records: 5 Duplicates: 0 Warnings: 0
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM USER;
```

UserID	Name	Email	Password	ContactNumber	Address
121	Brindha	brindha10@gmail.com	bri204	9857679819	Chennai
122	Agnes	agnes94@gmail.com	agnes12	9786564872	Madurai
123	John	johnjohn@gmail.com	john70	8270465829	Coimbatore
124	Mary	maryjose@gmail.com	maryj	9896284637	Tiruchirapalli
125	Lavanya	lavanya04@gmail.com	lavs	7308952618	Kumbakonam

5 rows in set (0.0040 sec)

■ Courier Table

```
MySQL localhost:3306 ssl couriermanagementdb SQL > INSERT INTO Courier (CourierID, SenderName, SenderAddress, ReceiverName, ReceiverAddress, Weight, Status, TrackingN
umber, DeliveryDate)
-> VALUES
-> (201, 'Mr. Ramachandran', 'Chennai', 'Kavi', 'Hyderabad', 2.8, 'Delivered', 'TRK2001', '2025-06-10'),
-> (202, 'Agnes', 'Madurai', 'Revathi', 'Delhi', 1.5, 'In Transit', 'TRK2002', '2025-06-14'),
-> (203, 'Naveen', 'Coimbatore', 'Rekha', 'Bangalore', 3.0, 'Yet to Dispatch', 'TRK2003', '2025-06-20'),
-> (204, 'Lavanya', 'Kumbakonam', 'Deepa', 'Pune', 4.2, 'Delivered', 'TRK2004', '2025-06-08'),
-> (205, 'Mary', 'Tiruchirapalli', 'Meera', 'Lucknow', 2.7, 'Cancelled', 'TRK2005', '2025-06-05'),
-> (206, 'Kiran', 'Mumbai', 'Sahana', 'Chennai', 1.9, 'In Transit', 'TRK2006', '2025-06-12'),
-> (207, 'John', 'Coimbatore', 'Vijay', 'Kolkata', 3.5, 'Yet to Dispatch', 'TRK2007', '2025-06-22'),
-> (208, 'Ravi', 'Trichy', 'Ayesha', 'Jaipur', 2.0, 'Delivered', 'TRK2008', '2025-06-11'),
-> (209, 'Brindha', 'Chennai', 'Arjun', 'Ahmedabad', 3.8, 'In Transit', 'TRK2009', '2025-06-13'),
-> (210, 'Sundar', 'Madurai', 'Karthik', 'Delhi', 1.3, 'Yet to Dispatch', 'TRK2010', '2025-06-25');

Query OK, 10 rows affected (0.0169 sec)

Records: 10 Duplicates: 0 Warnings: 0
MySQL localhost:3306 ssl couriermanagementdb SQL > select * from Courier;
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
201	Mr. Ramachandran	Chennai	Kavi	Hyderabad	2.80	Delivered	TRK2001	2025-06-10
202	Agnes	Madurai	Revathi	Delhi	1.50	In Transit	TRK2002	2025-06-14
203	Naveen	Coimbatore	Rekha	Bangalore	3.00	Yet to Dispatch	TRK2003	2025-06-20
204	Lavanya	Kumbakonam	Deepa	Pune	4.20	Delivered	TRK2004	2025-06-08
205	Mary	Tiruchirapalli	Meera	Lucknow	2.70	Cancelled	TRK2005	2025-06-05
206	Kiran	Mumbai	Sahana	Chennai	1.90	In Transit	TRK2006	2025-06-12
207	John	Coimbatore	Vijay	Kolkata	3.50	Yet to Dispatch	TRK2007	2025-06-22
208	Ravi	Trichy	Ayesha	Jaipur	2.00	Delivered	TRK2008	2025-06-11
209	Brindha	Chennai	Arjun	Ahmedabad	3.80	In Transit	TRK2009	2025-06-13
210	Sundar	Madurai	Karthik	Delhi	1.30	Yet to Dispatch	TRK2010	2025-06-25

10 rows in set (0.0050 sec)

■ Courier Services Table

```
MySQL localhost:3306 ssl couriermanagementdb SQL > INSERT INTO CourierServices (ServiceID, ServiceName, Cost)
-> VALUES
-> (1, 'Standard Delivery', 150.00),
-> (2, 'Express Delivery', 300.00),
-> (3, 'Same-Day Delivery', 500.00),
-> (4, 'Overnight Delivery', 450.00),
-> (5, 'Eco Saver Delivery', 100.00),
-> (6, 'Premium Handling Service', 650.00);

Query OK, 6 rows affected (0.0082 sec)

Records: 6 Duplicates: 0 Warnings: 0
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM CourierServices;
```

ServiceID	ServiceName	Cost
1	Standard Delivery	150.00
2	Express Delivery	300.00
3	Same-Day Delivery	500.00
4	Overnight Delivery	450.00
5	Eco Saver Delivery	100.00
6	Premium Handling Service	650.00

6 rows in set (0.0009 sec)

Employee Table

```
MySQL localhost:3306 ssl couriermanagementdb SQL > INSERT INTO Employee VALUES(1201,'Shakthi','shakthi002@gmail.com','9095866437','Delivery Executive',22000),(1202,'Manikandan','manikandan@gmail.com','6374356002','Manager',55000),(1203,'Shalini','shalini4444@gmail.com','7205783480','Supervisor',30000),(1204,'Surya','suryasekar@gmail.com','9786453768','Delivery Executive',24000),(1205,'Shai Sharath','shaisharath@gmail.com','9629698774','Supervisor',35000),(1206,'Mukundh','mukundh@gmail.com','8278564378','Logistics Analyst',45000),(1207,'Marshook','marshook09@gmail.com','7094555273','Delivery Executive',27000);
Query OK, 7 rows affected (0.0150 sec)
```

Records: 7 Duplicates: 0 Warnings: 0

```
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Employee;
```

EmpID	Name	Email	ContactNumber	Role	Salary
1201	Shakthi	shakthi002@gmail.com	9095866437	Delivery Executive	22000.00
1202	Manikandan	manikandan@gmail.com	6374356002	Manager	55000.00
1203	Shalini	shalini4444@gmail.com	7205783480	Supervisor	30000.00
1204	Surya	suryasekar@gmail.com	9786453768	Delivery Executive	24000.00
1205	Shai Sharath	shaisharath@gmail.com	9629698774	Supervisor	35000.00
1206	Mukundh	mukundh@gmail.com	8278564378	Logistics Analyst	45000.00
1207	Marshook	marshook09@gmail.com	7094555273	Delivery Executive	27000.00

Location Table

```
MySQL localhost:3306 ssl couriermanagementdb SQL > INSERT INTO Location (LocationID, LocationName, Address)
-> VALUES
-> (831, 'Kumbakonam Delivery Express', 'Opp. to Mahamaham, Kumbakonam'),
-> (832, 'Trichy Courier Services', 'Next to Periyasamy Tower, Chathram, Tiruchirappalli'),
-> (833, 'Thanjai Courier Point', 'Railway Junction Road, Thanjavur'),
-> (834, 'Madurai Parcel Services', 'Near Teppakulam, Madurai'),
-> (835, 'Covai Express Delivery', 'Backside of Gandhi Nagar Bus Stand, Coimbatore'),
-> (836, 'Pondy Couriers', 'MG Road, White Town, Pondicherry'),
-> (837, 'Salem Delivery Point', 'Anna Statue, Salem'),
-> (838, 'Vellore Parcels', 'Chennai Highways, Vellore'),
-> (839, 'Hosur Delivery Express', 'Bangalore Main Road, Hosur');
```

Query OK, 9 rows affected (0.0220 sec)

Records: 9 Duplicates: 0 Warnings: 0

```
MySQL localhost:3306 ssl couriermanagementdb SQL > select * from Location;
```

LocationID	LocationName	Address
831	Kumbakonam Delivery Express	Opp. to Mahamaham, Kumbakonam
832	Trichy Courier Services	Next to Periyasamy Tower, Chathram, Tiruchirappalli
833	Thanjai Courier Point	Railway Junction Road, Thanjavur
834	Madurai Parcel Services	Near Teppakulam, Madurai
835	Covai Express Delivery	Backside of Gandhi Nagar Bus Stand, Coimbatore
836	Pondy Couriers	MG Road, White Town, Pondicherry
837	Salem Delivery Point	Anna Statue, Salem
838	Vellore Parcels	Chennai Highways, Vellore
839	Hosur Delivery Express	Bangalore Main Road, Hosur

9 rows in set (0.0016 sec)

Payment Table

```
MySQL localhost:3306 ssl couriermanagementdb SQL > INSERT INTO Payment (PaymentID, CourierID, LocationID, Amount, PaymentDate)
-> VALUES
-> (601, 201, 831, 120.00, '2025-06-10'),
-> (602, 202, 832, 320.00, '2025-06-12'),
-> (603, 203, 833, 90.00, '2025-06-14'),
-> (604, 204, 834, 400.00, '2025-06-08'),
-> (605, 205, 835, 550.00, '2025-06-07'),
-> (606, 206, 836, 1500.00, '2025-06-11'),
-> (607, 207, 837, 180.00, '2025-06-13'),
-> (608, 208, 838, 250.00, '2025-06-09'),
-> (609, 209, 839, 6000.00, '2025-06-12'),
-> (610, 210, 832, 100.00, '2025-06-14');
```

Query OK, 10 rows affected (0.0099 sec)

Records: 10 Duplicates: 0 Warnings: 0

```
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Payment;
```

PaymentID	CourierID	LocationID	Amount	PaymentDate
601	201	831	120.00	2025-06-10
602	202	832	320.00	2025-06-12
603	203	833	90.00	2025-06-14
604	204	834	400.00	2025-06-08
605	205	835	550.00	2025-06-07
606	206	836	1500.00	2025-06-11
607	207	837	180.00	2025-06-13
608	208	838	250.00	2025-06-09
609	209	839	6000.00	2025-06-12
610	210	832	100.00	2025-06-14

10 rows in set (0.0029 sec)

■ Parcel Table

```
MySQL localhost:3306 ssl couriermanagementdb SQL > INSERT INTO Parcel VALUES
-> (1, 201, 'Electronics - Mobile Phone', 0.5, 'Delivered'),
-> (2, 201, 'Phone Charger & Case', 0.3, 'Delivered'),
-> (3, 202, 'Books - Science & Math', 1.2, 'In Transit'),
-> (4, 203, 'Kitchen Items - Mixer Jar', 2.0, 'Yet to Dispatch'),
-> (5, 204, 'Documents - Legal Papers', 0.2, 'Delivered'),
-> (6, 204, 'Cheque Book & ID Proofs', 0.4, 'Delivered'),
-> (7, 205, 'Shoes - Sports', 1.1, 'Cancelled'),
-> (8, 206, 'Laptop', 2.5, 'In Transit'),
-> (9, 207, 'Gift Box - Cosmetics', 1.8, 'Yet to Dispatch'),
-> (10, 208, 'Groceries - Packaged Foods', 3.0, 'Delivered');

Query OK, 10 rows affected (0.0083 sec)

Records: 10 Duplicates: 0 Warnings: 0
MySQL localhost:3306 ssl couriermanagementdb SQL > select * from Parcel;
```

ParcelID	CourierID	Description	Weight	Status
1	201	Electronics - Mobile Phone	0.50	Delivered
2	201	Phone Charger & Case	0.30	Delivered
3	202	Books - Science & Math	1.20	In Transit
4	203	Kitchen Items - Mixer Jar	2.00	Yet to Dispatch
5	204	Documents - Legal Papers	0.20	Delivered
6	204	Cheque Book & ID Proofs	0.40	Delivered
7	205	Shoes - Sports	1.10	Cancelled
8	206	Laptop	2.50	In Transit
9	207	Gift Box - Cosmetics	1.80	Yet to Dispatch
10	208	Groceries - Packaged Foods	3.00	Delivered

```
10 rows in set (0.0008 sec)
```

III. Defining Relationships between the Tables

i. User ↔ Courier

Relationship: One – Many.

Description: One user can place many courier orders.

ii. Courier ↔ Parcel

Relationship: One – Many.

Description: One courier can include multiple parcels or packages.

iii. Courier ↔ Payment

Relationship: One – One.

Description: One courier has only one payment.

iv. Location ↔ Payment

Relationship: One – Many.

Description: One location can be used for various payments.

v. Courier ↔ Courier Services

Relationship: Many – One.

Description: Many couriers can use the same type of courier service.

vi. Employee ↔ Courier

Relationship: One – Many.

Description: One employee (Delivery Executive) may deliver multiple couriers.

TASK-2 (SELECT, WHERE)

1. List all customers:

Here customers are the users who are all using the courier service.

QUERY:

```
SELECT *FROM User;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-2 question-1 list all the customers*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM User;
```

UserID	Name	Email	Password	ContactNumber	Address
121	Brindha	brindha10@gmail.com	bri204	9857679819	Chennai
122	Agnes	agnes94@gmail.com	agnes12	9786564872	Madurai
123	John	johnjohn@gmail.com	john70	8270465829	Coimbatore
124	Mary	maryjose@gmail.com	maryj	9896284637	Tiruchirapalli
125	Lavanya	lavanya04@gmail.com	lavs	7308952618	Kumbakonam

2. List all orders for a specific customer:

QUERY:

```
SELECT * FROM Courier WHERE UserID=121;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /* TASK-2 QUESTION-2 List all the orders for the specific customers*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM COURIER WHERE UserID=121;
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	UserID
202	Agnes	Madurai	Revathi	Delhi	1.50	In Transit	TRK2002	2025-06-14	121
205	Mary	Tiruchirapalli	Meera	Lucknow	2.70	Cancelled	TRK2005	2025-06-05	121
208	Ravi	Trichy	Ayesha	Jaipur	2.00	Delivered	TRK2008	2025-06-11	121

3 rows in set (0.0014 sec)

3. List all couriers:

QUERY:

```
SELECT * FROM Courier;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*TASK-2 QUESTION-3 List all couriers*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Courier;
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	UserID
201	Mr. Ramachandran	Chennai	Kavi	Hyderabad	2.80	Delivered	TRK2001	2025-06-10	123
202	Agnes	Madurai	Revathi	Delhi	1.50	In Transit	TRK2002	2025-06-14	121
203	Naveen	Coimbatore	Rekha	Bangalore	3.00	Yet to Dispatch	TRK2003	2025-06-20	125
204	Lavanya	Kumbakonam	Deepa	Pune	4.20	Delivered	TRK2004	2025-06-08	122
205	Mary	Tiruchirapalli	Meera	Lucknow	2.70	Cancelled	TRK2005	2025-06-05	121
206	Kiran	Mumbai	Sahana	Chennai	1.90	In Transit	TRK2006	2025-06-12	124
207	John	Coimbatore	Vijay	Kolkata	3.50	Yet to Dispatch	TRK2007	2025-06-22	125
208	Ravi	Trichy	Ayesha	Jaipur	2.00	Delivered	TRK2008	2025-06-11	121
209	Brindha	Chennai	Arjun	Ahmedabad	3.80	In Transit	TRK2009	2025-06-13	123
210	Sundar	Madurai	Karthik	Delhi	1.30	Yet to Dispatch	TRK2010	2025-06-25	124

10 rows in set (0.0015 sec)

4. List all packages for a specific order:

```
SELECT * FROM Parcel WHERE CourierID=204;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /* task-2 question-4 List all packages for a specific order*/
MySQL localhost:3306 ssl couriermanagementdb SQL > /*Here the specific order refers to the specific courier*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Parcel WHERE CourierID=204;
```

ParcelID	CourierID	Description	Weight	Status
5	204	Documents - Legal Papers	0.20	Delivered
6	204	Cheque Book & ID Proofs	0.40	Delivered

2 rows in set (0.0036 sec)

5. List all deliveries for a specific courier:

QUERY:

```
SELECT * FROM Parcel WHERE CourierID=201 AND Status='Delivered';
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-2 question-5 List all deliveries for a specific courier*/
MySQL localhost:3306 ssl couriermanagementdb SQL > /*Here we are asked to retrieve the parcels for a specific courier which are all delivered*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Parcel WHERE CourierID=201 AND Status='Delivered';
```

ParcelID	CourierID	Description	Weight	Status
1	201	Electronics - Mobile Phone	0.50	Delivered
2	201	Phone Charger & Case	0.30	Delivered

2 rows in set (0.0014 sec)

6. List all undelivered packages:

QUERY:

```
SELECT * FROM Courier WHERE Status IN ('In Transit','Yet to Dispatch','Cancelled');
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /* task-2 question-6 List all undelivered packages*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Courier WHERE Status IN('In Transit','Yet to Dispatch','Cancelled');
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	UserID
202	Agnes	Madurai	Revathi	Delhi	1.50	In Transit	TRK2002	2025-06-14	121
203	Naveen	Coimbatore	Rekha	Bangalore	3.00	Yet to Dispatch	TRK2003	2025-06-20	125
205	Mary	Tiruchirapalli	Meera	Lucknow	2.70	Cancelled	TRK2005	2025-06-05	121
206	Kiran	Mumbai	Sahana	Chennai	1.90	In Transit	TRK2006	2025-06-12	124
207	John	Coimbatore	Vijay	Kolkata	3.50	Yet to Dispatch	TRK2007	2025-06-22	125
209	Brindha	Chennai	Arjun	Ahmedabad	3.80	In Transit	TRK2009	2025-06-13	123
210	Sundar	Madurai	Karthik	Delhi	1.30	Yet to Dispatch	TRK2010	2025-06-25	124

7 rows in set (0.0451 sec)

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

QUERY:

```
SELECT * FROM Courier WHERE DeliveryDate=DATE(NOW());
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /* task-2 question 7 List all packages that are scheduled for delivery today*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Courier WHERE DeliveryDate=DATE(NOW());
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	UserID
206	Kiran	Mumbai	Sahana	Chennai	1.90	In Transit	TRK2006	2025-06-12	124

1 row in set (0.0057 sec)

8. List all packages with a specific status:

QUERY:

```
SELECT * FROM Parcel WHERE Status='In Transit';
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /* TASK-2 QUESTION-8 List all packages with a specific status*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Parcel WHERE Status='In Transit';
```

ParcelID	CourierID	Description	Weight	Status
3	202	Books - Science & Math	1.20	In Transit
8	206	Laptop	2.50	In Transit

2 rows in set (0.0012 sec)

```
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Parcel WHERE Status='Delivered';
```

ParcelID	CourierID	Description	Weight	Status
1	201	Electronics - Mobile Phone	0.50	Delivered
2	201	Phone Charger & Case	0.30	Delivered
5	204	Documents - Legal Papers	0.20	Delivered
6	204	Cheque Book & ID Proofs	0.40	Delivered
10	208	Groceries - Packaged Foods	3.00	Delivered

5 rows in set (0.0008 sec)

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

QUERY:

```
SELECT CourierID,COUNT(*) AS TotalPackages FROM Parcel GROUP BY CourierID;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /* task-2 question-9 Calculate the total number of packages for each courier*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT CourierID, COUNT(*) AS TotalPackages FROM Parcel GROUP BY CourierID;
```

CourierID	TotalPackages
201	2
202	1
203	1
204	2
205	1
206	1
207	1
208	1

8 rows in set (0.0051 sec)

10. Find the average delivery time for each courier:

QUERY:

```
SELECT CourierID, DATEDIFF(DeliveryDate, OrderDate) AS DeliveryTime_inDays FROM Courier WHERE
DeliveryDate IS NOT NULL GROUP BY CourierID;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*TASK-2 QUESTION-10 Find the average delivery time for each courier*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT CourierID, DATEDIFF(DeliveryDate,OrderDate) AS DeliveryTime_inDays
-> FROM Courier WHERE DeliveryDate IS NOT NULL GROUP BY CourierID;
```

CourierID	DeliveryTime_inDays
201	2
202	5
203	10
204	2
205	0
206	5
207	14
208	5
209	6
210	16

10 rows in set (0.0012 sec)

11. List all packages with a specific weight range:

QUERY:

```
SELECT * FROM Parcel WHERE Weight BETWEEN 1.0 AND 2.5;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*TASK-2 QUESTION-11 List all packages with a specific weight range*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Parcel WHERE Weight BETWEEN 1.0 AND 2.5;
```

ParcelID	CourierID	Description	Weight	Status
3	202	Books - Science & Math	1.20	In Transit
4	203	Kitchen Items - Mixer Jar	2.00	Yet to Dispatch
7	205	Shoes - Sports	1.10	Cancelled
8	206	Laptop	2.50	In Transit
9	207	Gift Box - Cosmetics	1.80	Yet to Dispatch

5 rows in set (0.0294 sec)

12. Retrieve employees whose names contain 'John':

QUERY:

```
SELECT * FROM Employee WHERE Name LIKE '%John%';
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /* task-2 ques-12 Retrieve employees whose names contain 'John'*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Employee WHERE Name LIKE '%John%';
```

EmpID	Name	Email	ContactNumber	Role	Salary
1208	John paul	pauljohn@gmail.com	9678674587	Delivery Executive	29000.00
1209	Peter John Francis	johnfrancis@gmail.com	6374567567	Customer Support	35000.00
1210	Kevin John	kevin@gmail.com	8234758972	Delivery Executive	28000.00

3 rows in set (0.0008 sec)

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

QUERY:

SELECT * FROM Courier WHERE CourierID IN (SELECT CourierID FROM Payment WHERE Amount > 50);

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /* task-2 ques-13 Retrieve all courier records with payments greater than $50*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Courier WHERE CourierID IN(SELECT CourierID FROM Payment WHERE Amount>50);
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	UserID	OrderDate
201	Mr. Ramachandran	Chennai	Kavi	Hyderabad	2.80	Delivered	TRK2001	2025-06-10	123	2025-06-08
203	Naveen	Coimbatore	Rekha	Bangalore	3.00	Yet to Dispatch	TRK2003	2025-06-20	125	2025-06-10
205	Mary	Tiruchirapalli	Meera	Lucknow	2.70	Cancelled	TRK2005	2025-06-05	121	2025-06-05
207	John	Coimbatore	Vijay	Kolkata	3.50	Yet to Dispatch	TRK2007	2025-06-22	125	2025-06-08
208	Ravi	Trichy	Ayesha	Jaipur	2.00	Delivered	TRK2008	2025-06-11	121	2025-06-06
210	Sundar	Madurai	Karthik	Delhi	1.30	Yet to Dispatch	TRK2010	2025-06-25	124	2025-06-09

6 rows in set (0.0061 sec)

TASK-3 (Group By, Aggregate Functions, Having, Order By, Where)

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

QUERY:

SELECT Employee.EmpID, Employee.Name, COUNT(Courier.CourierID) FROM Employee JOIN Courier ON Employee.EmpID = Courier.EmpID GROUP BY Employee.EmpID, Employee.Name;

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-3 ques-14 Find the total number of couriers handled by each employee*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT Employee.EmpID,Employee.Name, COUNT(Courier.CourierID) FROM Employee
-> JOIN Courier ON Employee.EmpID=Courier.EmpID
-> GROUP BY Employee.EmpID,Employee.Name;
```

EmpID	Name	COUNT(Courier.CourierID)
1201	Shakthi	5
1202	Manikandan	1
1204	Surya	2
1205	Shai Sharath	1
1207	Marshook	1

5 rows in set (0.0012 sec)

15. Calculate the total revenue generated by each location:

QUERY:

SELECT Location.LocationID, Location.LocationName, SUM(Payment.Amount) AS TotalRevenue FROM Payment JOIN Location ON Payment.LocationID = Location.LocationID GROUP BY Location.LocationID, Location.LocationName;

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-3 ques-15 Calculate the total revenue generated by each location*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT Location.LocationID,Location.LocationName, SUM(Payment.Amount) AS TotalRevenue
-> FROM Payment JOIN Location ON Payment.LocationID=Location.LocationID
-> GROUP BY Location.LocationID,Location.LocationName;
```

LocationID	LocationName	TotalRevenue
831	Kumbakonam Delivery Express	160.00
832	Trichy Courier Services	155.00
833	Thanjai Courier Point	90.00
834	Madurai Parcel Services	29.00
835	Covai Express Delivery	550.00
836	Pondy Couriers	45.00
837	Salem Delivery Point	180.00
838	Vellore Parcels	250.00
839	Hosur Delivery Express	50.00

9 rows in set (0.0051 sec)

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

QUERY:

```
SELECT Location.LocationName, COUNT(*) AS TotalDelivered FROM Courier JOIN Location ON  
Location.LocationID = Courier.LocationID WHERE Status = 'Delivered' GROUP BY Location.LocationName;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*Task-3 Ques-16 Find the total number of couriers delivered to each location*/  
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT Location.LocationName,COUNT(*) AS TotalDelivered FROM Courier  
-> JOIN Location ON Location.LocationID=Courier.LocationID  
-> WHERE Status='Delivered' GROUP BY Location.LocationName;  
  
+-----+-----+  
| LocationName | TotalDelivered |  
+-----+-----+  
| Kumbakonam Delivery Express | 1 |  
| Thanjai Courier Point | 1 |  
| Salem Delivery Point | 1 |  
+-----+-----+  
3 rows in set (0.0011 sec)
```

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

QUERY:

```
SELECT CourierID, DATEDIFF(DeliveryDate, OrderDate) AS AvgDeliveryTime_inDays FROM Courier WHERE  
DeliveryDate IS NOT NULL AND OrderDate IS NOT NULL GROUP BY CourierID ORDER BY  
AvgDeliveryTime_inDays DESC LIMIT 1;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*Task-3 ques-17 Find the courier with the highest average delivery time*/  
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT CourierID, DATEDIFF(DeliveryDate,OrderDate) AS AvgDeliveryTime_inDays  
-> FROM Courier WHERE DeliveryDate IS NOT NULL AND OrderDate IS NOT NULL  
-> GROUP BY CourierID ORDER BY AvgDeliveryTime_inDays DESC LIMIT 1;  
  
+-----+-----+  
| CourierID | AvgDeliveryTime_inDays |  
+-----+-----+  
| 210 | 16 |  
+-----+-----+  
1 row in set (0.0008 sec)
```

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

QUERY:

```
SELECT Location.LocationID, Location.LocationName, SUM(Payment.Amount) AS TotalPayment FROM Payment  
JOIN Location ON Location.LocationID = Payment.LocationID WHERE Payment.Amount < 100 GROUP BY  
Location.LocationID, Location.LocationName;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*Task-3 ques-18 Find Locations with Total Payments Less Than a Certain Amount*/  
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT Location.LocationID,Location.LocationName,SUM(Payment.Amount) AS  
-> TotalPayment FROM Payment JOIN Location ON Location.LocationID=Payment.LocationID  
-> WHERE Payment.Amount<100 GROUP BY Location.LocationID,Location.LocationName;  
  
+-----+-----+-----+  
| LocationID | LocationName | TotalPayment |  
+-----+-----+-----+  
| 832 | Trichy Courier Services | 55.00 |  
| 833 | Thanjai Courier Point | 90.00 |  
| 834 | Madurai Parcel Services | 29.00 |  
| 836 | Pondy Couriers | 45.00 |  
| 839 | Hosur Delivery Express | 50.00 |  
| 831 | Kumbakonam Delivery Express | 40.00 |  
+-----+-----+-----+  
6 rows in set (0.0015 sec)
```

19. Calculate Total Payments per Location:

QUERY:

```
SELECT Location.LocationID, Location.LocationName, SUM(Payment.Amount) AS TotalPayment FROM Payment
JOIN Location ON Location.LocationID = Payment.LocationID GROUP BY Location.LocationID,
Location.LocationName;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-3 ques-19 Calculate Total Payments per Location*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT Location.LocationID,Location.LocationName,SUM(Payment.Amount) AS
-> TotalPayment FROM Payment JOIN Location ON Location.LocationID=Payment.LocationID
-> GROUP BY Location.LocationID,Location.LocationName;
```

LocationID	LocationName	TotalPayment
831	Kumbakonam Delivery Express	160.00
832	Trichy Courier Services	155.00
833	Thanjai Courier Point	90.00
834	Madurai Parcel Services	29.00
835	Covai Express Delivery	550.00
836	Pondy Couriers	45.00
837	Salem Delivery Point	180.00
838	Vellore Parcels	250.00
839	Hosur Delivery Express	50.00

9 rows in set (0.0013 sec)

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

QUERY:

```
SELECT Courier.CourierID, Location.LocationName, SUM(Payment.Amount) AS TotalPayment FROM Courier
JOIN Payment ON Courier.CourierID = Payment.CourierID JOIN Location ON Payment.LocationID =
Location.LocationID WHERE Payment.LocationID = 831 GROUP BY Courier.CourierID, Location.LocationName
HAVING TotalPayment > 1000;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /* Retrieve couriers who have received payments totaling more than $1000 in a specific location*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT Courier.CourierID, Location.LocationName,SUM(Payment.Amount) AS TotalPayment
-> FROM Courier JOIN Payment ON Courier.CourierID = Payment.CourierID
-> JOIN Location ON Payment.LocationID = Location.LocationID
-> WHERE Payment.LocationID = 831 GROUP BY Courier.CourierID, Location.LocationName
-> HAVING TotalPayment > 1000;
```

CourierID	LocationName	TotalPayment
215	Kumbakonam Delivery Express	1200.00

1 row in set (0.0012 sec)

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

QUERY:

```
SELECT Courier.CourierID, SUM(Payment.Amount) AS TotalPayment FROM Courier JOIN Payment ON
Courier.CourierID = Payment.CourierID WHERE Payment.PaymentDate > '2025-06-10' GROUP BY
Courier.CourierID HAVING TotalPayment > 1000;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-3 ques-21 Retrieve couriers who have received payments totaling more than $1000 after a certain date*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT Courier.CourierID,SUM(Payment.Amount) AS TotalPayment FROM Courier JOIN Payment ON Courier.CourierID = Payment.CourierID
-> WHERE Payment.PaymentDate > '2025-06-10' GROUP BY Courier.CourierID HAVING TotalPayment>1000;
```

CourierID	TotalPayment
215	1200.00

1 row in set (0.0043 sec)

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

QUERY:

```
SELECT Location.LocationID, Location.LocationName, SUM(Payment.Amount) AS TotalReceived FROM Payment
JOIN Location ON Payment.LocationID = Location.LocationID WHERE Payment.PaymentDate > '2025-06-10'
GROUP BY Location.LocationID, Location.LocationName HAVING TotalReceived > 5000;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*Retrieve locations where the total amount received is more than $5000 before a certain date*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT Location.LocationID,Location.LocationName,SUM(Payment.Amount) AS TotalReceived
-> FROM Payment JOIN Location ON Payment.LocationID = Location.LocationID
-> WHERE Payment.PaymentDate > '2025-06-10' GROUP BY Location.LocationID,Location.LocationName
-> HAVING TotalReceived > 5000;
```

LocationID	LocationName	TotalReceived
839	Hosur Delivery Express	7000.00

1 row in set (0.0015 sec)

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

23. Retrieve Payments with Courier Information:

QUERY:

```
SELECT p.PaymentID,c.CourierID,c.SenderName,c.SenderAdress,c.ReceiverName,c.ReceiverAddress,c.Weight,
c.Status,p.Amount, p.PaymentDate FROM Payment p JOIN Courier C ON c.CourierID=p.CourierID;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-23 Retrieve Payments with Courier Information*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT p.PaymentID,c.CourierID,c.SenderName,c.SenderAddress,c.ReceiverName,c.ReceiverAddress,c.Weight,c.Status,p.Amount,p.PaymentDate FROM Payment p JOIN
Courier c ON c.CourierID=p.CourierID;
```

PaymentID	CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	Amount	PaymentDate
601	201	Mr. Ramachandran	Chennai	Kavi	Hyderabad	2.80	Delivered	120.00	2025-06-10
602	202	Agnes	Madurai	Revathi	Delhi	1.50	In Transit	30.00	2025-06-12
603	203	Naveen	Coimbatore	Rekha	Bangalore	3.00	Yet to Dispatch	90.00	2025-06-14
604	204	Lavanya	Kumbakonam	Deepa	Pune	4.20	Delivered	29.00	2025-06-08
605	205	Mary	Tiruchirappalli	Meera	Lucknow	2.70	Cancelled	550.00	2025-06-07
606	206	Kiran	Mumbai	Sahana	Chennai	1.90	In Transit	45.00	2025-06-11
607	207	John	Coimbatore	Vijay	Kolkata	3.50	Yet to Dispatch	180.00	2025-06-13
608	208	Ravi	Trichy	Ayesha	Jaipur	2.00	Delivered	250.00	2025-06-09
609	209	Brindha	Chennai	Arjun	Ahmedabad	3.80	In Transit	7000.00	2025-06-12
610	210	Sundar	Madurai	Karthik	Delhi	1.30	Yet to Dispatch	180.00	2025-06-14
611	209	Brindha	Chennai	Arjun	Ahmedabad	3.80	In Transit	40.00	2025-06-15
612	210	Sundar	Madurai	Karthik	Delhi	1.30	Yet to Dispatch	25.00	2025-06-16
617	215	Pooja	Kumbakonam	Arun	Bangalore	2.50	Delivered	1200.00	2025-06-20

13 rows in set (0.0085 sec)

24. Retrieve Payments with Location Information:

QUERY:

```
SELECT p.PaymentID,p.Amount,p.PaymentDate, l.LocationID,l.LocationName,l.Address FROM Payment p JOIN
Location l ON p.LocationID=l.LocationID;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-24 Retrieve Payments with Location Information*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT p.PaymentID,p.Amount,p.PaymentDate,l.LocationID,l.LocationName,l.Address FROM Payment p JOIN Location l ON p.LocationID=l.LocationID;
```

PaymentID	Amount	PaymentDate	LocationID	LocationName	Address
601	120.00	2025-06-10	831	Kumbakonam Delivery Express	Opp. to Mahamaham, Kumbakonam
611	40.00	2025-06-15	831	Kumbakonam Delivery Express	Opp. to Mahamaham, Kumbakonam
617	1200.00	2025-06-20	831	Kumbakonam Delivery Express	Opp. to Mahamaham, Kumbakonam
602	30.00	2025-06-12	832	Trichy Courier Services	Next to Periyasamy Tower, Chathram, Tiruchirappalli
610	180.00	2025-06-14	832	Trichy Courier Services	Next to Periyasamy Tower, Chathram, Tiruchirappalli
612	25.00	2025-06-16	832	Trichy Courier Services	Next to Periyasamy Tower, Chathram, Tiruchirappalli
603	90.00	2025-06-14	833	Thanjai Courier Point	Railway Junction Road, Thanjavur
604	29.00	2025-06-08	834	Madurai Parcel Services	Near Teppakulam, Madurai
605	550.00	2025-06-07	835	Covai Express Delivery	Backside of Gandhi Nagar Bus Stand, Coimbatore
606	45.00	2025-06-11	836	Pondy Couriers	MG Road, White Town, Pondicherry
607	180.00	2025-06-13	837	Salem Delivery Point	Anna Statue, Salem
608	250.00	2025-06-09	838	Vellore Parcels	Chennai Highways, Vellore
609	7000.00	2025-06-12	839	Hosur Delivery Express	Bangalore Main Road, Hosur

13 rows in set (0.0036 sec)

25. Retrieve Payments with Courier and Location Information:

QUERY:

```
SELECT c.CourierID,p.PaymentID,c.SenderName,c.SenderAddress,c.ReceiverAddress,c.Weight,c.Status,p.Amount,
p.PaymentDate,l.LocationID,l.LocationName,l.Address FROM Payment p JOIN Courier c ON
p.CourierID=c.CourierID JOIN Location l On p.LocationID=l.LocationID;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-25 Retrieve Payments with Courier and Location Information*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT c.CourierID,p.PaymentID,c.SenderName,c.SenderAddress,c.ReceiverName,
-> c.ReceiverAddress,c.Weight,c.Status,p.Amount,p.PaymentDate,l.LocationID,l.LocationName,l.Address
-> FROM Payment p JOIN Courier c ON p.CourierID=c.CourierID
-> JOIN Location l ON p.LocationID=l.LocationID;
```

CourierID	PaymentID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	Amount	PaymentDate	LocationID	LocationName	Address
201	601	Mr. Ramachandran	Chennai	Kavi	Hyderabad	2.80	Delivered	120.00	2025-06-10	831	Mumbakonam Delivery Express	Opp. to Mahanahan, Mumbakonam
209	611	Brindha	Chennai	Arjun	Ahmedabad	3.80	In Transit	40.00	2025-06-15	831	Mumbakonam Delivery Express	Opp. to Mahanahan, Mumbakonam
215	617	Pooja	Mumbakonam	Arun	Bangalore	2.50	Delivered	1200.00	2025-06-20	831	Mumbakonam Delivery Express	Opp. to Mahanahan, Mumbakonam
202	602	Agnes	Madurai	Revathi	Delhi	1.50	In Transit	30.00	2025-06-12	832	Trichy Courier Services	Next to Periyasamy Tower, Chathran, Tiruchirappalli
210	610	Sundar	Madurai	Karthik	Delhi	1.30	Yet to Dispatch	100.00	2025-06-14	832	Trichy Courier Services	Next to Periyasamy Tower, Chathran, Tiruchirappalli
210	612	Sundar	Madurai	Karthik	Delhi	1.30	Yet to Dispatch	25.00	2025-06-16	832	Trichy Courier Services	Next to Periyasamy Tower, Chathran, Tiruchirappalli
203	603	Naveen	Coimbatore	Rekha	Bangalore	3.00	Yet to Dispatch	90.00	2025-06-14	833	Thanjai Courier Point	Railway Junction Road, Thanjavur
204	604	Lavanya	Mumbakonam	Deepa	Pune	4.20	Delivered	29.00	2025-06-08	834	Madurai Parcel Services	Near Teppakulam, Madurai
205	605	Mary	Tiruchirappalli	Meera	Lucknow	2.70	Cancelled	550.00	2025-06-07	835	Covai Express Delivery	Backside of Gandhi Nagar Bus Stand, Coimbatore
206	606	Kiran	Mumbai	Sahana	Chennai	1.90	In Transit	45.00	2025-06-11	836	Pondy Couriers	MG Road, White Town, Pondicherry
207	607	John	Coimbatore	Vijay	Kolkata	3.50	Yet to Dispatch	180.00	2025-06-13	837	Salen Delivery Point	Anna Statue, Salen
208	608	Ravi	Trichy	Ayesha	Jaipur	2.00	Delivered	250.00	2025-06-09	838	Vellore Parcels	Chennai Highways, Vellore
209	609	Brindha	Chennai	Arjun	Ahmedabad	3.80	In Transit	7000.00	2025-06-12	839	Hosur Delivery Express	Bangalore Main Road, Hosur

13 rows in set (0.0044 sec)

26. List all payments with courier details:

QUERY:

```
SELECT p.*,c.* FROM Payment p JOIN Courier c ON p.CourierID=c.CourierID;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-26 List all payments with courier details*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT p.*,c.* FROM Payment p JOIN Courier c ON p.CourierID=c.CourierID;
```

PaymentID	CourierID	LocationID	Amount	PaymentDate	CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	UserID	OrderDate	EmpID	LocationID
601	201	831	120.00	2025-06-10	201	Mr. Ramachandran	Chennai	Kavi	Hyderabad	2.80	Delivered	TRK2001	2025-06-10	123	2025-06-08	1201	831
602	202	832	30.00	2025-06-12	202	Agnes	Madurai	Revathi	Delhi	1.50	In Transit	TRK2002	2025-06-14	121	2025-06-09	1202	832
603	203	833	90.00	2025-06-14	203	Naveen	Coimbatore	Rekha	Bangalore	3.00	Yet to Dispatch	TRK2003	2025-06-20	125	2025-06-10	1201	831
604	204	834	29.00	2025-06-08	204	Lavanya	Mumbakonam	Deepa	Pune	4.20	Delivered	TRK2004	2025-06-08	122	2025-06-06	1204	833
605	205	835	550.00	2025-06-07	205	Mary	Tiruchirappalli	Meera	Lucknow	2.70	Cancelled	TRK2005	2025-06-05	121	2025-06-05	1205	834
606	206	836	45.00	2025-06-11	206	Kiran	Mumbai	Sahana	Chennai	1.90	In Transit	TRK2006	2025-06-12	124	2025-06-07	1201	835
607	207	837	180.00	2025-06-13	207	John	Coimbatore	Vijay	Kolkata	3.50	Yet to Dispatch	TRK2007	2025-06-22	125	2025-06-08	1207	836
608	208	838	250.00	2025-06-09	208	Ravi	Trichy	Ayesha	Jaipur	2.00	Delivered	TRK2008	2025-06-11	121	2025-06-06	1201	837
609	209	839	7000.00	2025-06-12	209	Brindha	Chennai	Arjun	Ahmedabad	3.80	In Transit	TRK2009	2025-06-13	123	2025-06-07	1204	838
610	210	832	100.00	2025-06-14	210	Sundar	Madurai	Karthik	Delhi	1.30	Yet to Dispatch	TRK2010	2025-06-25	124	2025-06-09	1201	839
611	209	831	40.00	2025-06-15	209	Brindha	Chennai	Arjun	Ahmedabad	3.80	In Transit	TRK2009	2025-06-13	123	2025-06-07	1204	838
612	210	832	25.00	2025-06-16	210	Sundar	Madurai	Karthik	Delhi	1.30	Yet to Dispatch	TRK2010	2025-06-25	124	2025-06-09	1201	839
617	215	831	1200.00	2025-06-20	215	Pooja	Mumbakonam	Arun	Bangalore	2.50	Delivered	TRK215	2025-06-21	121	2025-06-18	NULL	NULL

13 rows in set (0.0031 sec)

27. Total payments received for each courier:

QUERY:

```
SELECT c.CourierID,c.SenderName,SUM(p.Amount) AS TotalPayment FROM Courier c JOIN Payment p ON
p.CourierID=c.CourierID GROUP BY c.CourierID,c.SenderName;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*Task-4 ques-27 Total payments received for each courier*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT c.CourierID,c.SenderName, SUM(p.Amount) AS TotalPayment FROM Courier c JOIN Payment p
-> ON p.CourierID=c.CourierID GROUP BY c.CourierID,c.SenderName;
```

CourierID	SenderName	TotalPayment
201	Mr. Ramachandran	120.00
202	Agnes	30.00
203	Naveen	90.00
204	Lavanya	29.00
205	Mary	550.00
206	Kiran	45.00
207	John	180.00
208	Ravi	250.00
209	Brindha	7040.00
210	Sundar	125.00
215	Pooja	1200.00

11 rows in set (0.0010 sec)

28. List payments made on a specific date:

QUERY:

1. SELECT * FROM Payment WHERE PaymentDate='2025-06-15';
2. SELECT * FROM Payment WHERE PaymentDate='2025-06-12';

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*Task-4 ques-28 List payments made on a specific date*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Payment WHERE PaymentDate='2025-06-15';
```

PaymentID	CourierID	LocationID	Amount	PaymentDate
611	209	831	40.00	2025-06-15

1 row in set (0.0043 sec)

```
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Payment WHERE PaymentDate='2025-06-12';
```

PaymentID	CourierID	LocationID	Amount	PaymentDate
602	202	832	30.00	2025-06-12
609	209	839	7000.00	2025-06-12

2 rows in set (0.0009 sec)

29. Get Courier Information for Each Payment:

QUERY:

SELECT p.PaymentID,p.Amount,p.PaymentDate,c.CourierID,c.SenderName,c.ReceiverName,c.TrackingNumber
FROM Payment AS p JOIN Courier AS c ON p.CourierID=c.CourierID;

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-29 Get Courier Information for Each Payment*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT p.PaymentID,p.Amount,p.PaymentDate,c.CourierID,c.SenderName,c.ReceiverName,c.TrackingNumber
-> FROM Payment AS p JOIN Courier AS c ON p.CourierID = c.CourierID;
```

PaymentID	Amount	PaymentDate	CourierID	SenderName	ReceiverName	TrackingNumber
601	120.00	2025-06-10	201	Mr. Ramachandran	Kavi	TRK2001
602	30.00	2025-06-12	202	Agnes	Revathi	TRK2002
603	90.00	2025-06-14	203	Naveen	Rekha	TRK2003
604	29.00	2025-06-08	204	Lavanya	Deepa	TRK2004
605	550.00	2025-06-07	205	Mary	Meera	TRK2005
606	45.00	2025-06-11	206	Kiran	Sahana	TRK2006
607	180.00	2025-06-13	207	John	Vijay	TRK2007
608	250.00	2025-06-09	208	Ravi	Ayesha	TRK2008
609	7000.00	2025-06-12	209	Brindha	Arjun	TRK2009
610	100.00	2025-06-14	210	Sundar	Karthik	TRK2010
611	40.00	2025-06-15	209	Brindha	Arjun	TRK2009
612	25.00	2025-06-16	210	Sundar	Karthik	TRK2010
617	1200.00	2025-06-20	215	Pooja	Arun	TRK215

13 rows in set (0.0013 sec)

30. Get Payment Details with Location:

QUERY:

SELECT p.PaymentID,p.CourierID,p.LocationID,p.Amount,p.PaymentDate,l.LocationName,l.Address FROM
Payment p RIGHT JOIN Location l ON p.LocationID=l.LocationID;

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-30 Get Payment Details with Location*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT p.PaymentID,p.CourierID,p.LocationID,
-> p.Amount,p.PaymentDate,l.LocationName,l.Address
-> FROM Payment p RIGHT JOIN Location l ON p.LocationID=l.LocationID;
```

PaymentID	CourierID	LocationID	Amount	PaymentDate	LocationName	Address
601	201	831	120.00	2025-06-10	Kumbakonam Delivery Express	Opp. to Mahamaham, Kumbakonam
611	209	831	40.00	2025-06-15	Kumbakonam Delivery Express	Opp. to Mahamaham, Kumbakonam
617	215	831	1200.00	2025-06-20	Kumbakonam Delivery Express	Opp. to Mahamaham, Kumbakonam
602	202	832	30.00	2025-06-12	Trichy Courier Services	Next to Periyasamy Tower, Chathram, Tiruchirappalli
610	210	832	100.00	2025-06-14	Trichy Courier Services	Next to Periyasamy Tower, Chathram, Tiruchirappalli
612	210	832	25.00	2025-06-16	Trichy Courier Services	Next to Periyasamy Tower, Chathram, Tiruchirappalli
603	203	833	90.00	2025-06-14	Thanjai Courier Point	Railway Junction Road, Thanjavur
604	204	834	29.00	2025-06-08	Madurai Parcel Services	Near Teppakulam, Madurai
605	205	835	550.00	2025-06-07	Covai Express Delivery	Backside of Gandhi Nagar Bus Stand, Coimbatore
606	206	836	45.00	2025-06-11	Pondy Couriers	MG Road, White Town, Pondicherry
607	207	837	180.00	2025-06-13	Salem Delivery Point	Anna Statue, Salem
608	208	838	250.00	2025-06-09	Vellore Parcels	Chennai Highways, Vellore
609	209	839	7000.00	2025-06-12	Hosur Delivery Express	Bangalore Main Road, Hosur

13 rows in set (0.0016 sec)

31. Calculating Total Payments for Each Courier:

QUERY:

```
SELECT c.CourierID,SUM(p.Amount) AS TotalPayment FROM Courier AS c JOIN Payment AS p ON  
c.CourierID=p.CourierID GROUP BY c.CourierID;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-31 Calculating Total Payments for Each Courier*/  
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT c.CourierID, SUM(p.Amount) AS TotalPayment FROM  
-> Courier AS c JOIN Payment AS p ON  
-> c.CourierID = p.CourierID GROUP BY c.CourierID;
```

CourierID	TotalPayment
201	120.00
202	30.00
203	90.00
204	29.00
205	550.00
206	45.00
207	180.00
208	250.00
209	7040.00
210	125.00
215	1200.00

11 rows in set (0.0032 sec)

32. List Payments Within a Date Range:

QUERY:

```
SELECT PaymentID,Amount FROM Payment WHERE PaymentDate BETWEEN '2025-06-10' AND '2025-06-15';
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-32 List Payments Within a Date Range*/  
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT PaymentID,Amount FROM Payment WHERE PaymentDate  
-> BETWEEN '2025-06-10' AND '2025-06-15';
```

PaymentID	Amount
601	120.00
602	30.00
603	90.00
606	45.00
607	180.00
609	7000.00
610	100.00
611	40.00

8 rows in set (0.0008 sec)

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

QUERY:

```
SELECT u.UserID,u.Name AS UserName, c.CourierID, c.TrackingNumber,c.Status FROM User AS u LEFT JOIN  
Courier AS c ON u.UserID=c.UserID;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*Retrieve a list of all users and their corresponding courier records, including cases where there are no matches  
on either side*/  
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT u.UserID, u.Name AS UserName, c.CourierID,  
-> c.TrackingNumber, c.Status FROM User AS u  
-> LEFT JOIN Courier AS c ON u.UserID = c.UserID;
```

UserID	UserName	CourierID	TrackingNumber	Status
121	Brindhya	202	TRK2002	In Transit
121	Brindhya	205	TRK2005	Cancelled
121	Brindhya	208	TRK2008	Delivered
121	Brindhya	215	TRK215	Delivered
122	Agnes	204	TRK2004	Delivered
123	John	201	TRK2001	Delivered
123	John	209	TRK2009	In Transit
124	Mary	206	TRK2006	In Transit
124	Mary	210	TRK2010	Vet to Dispatch
125	Lavanya	203	TRK2003	Vet to Dispatch
125	Lavanya	207	TRK2007	Vet to Dispatch

11 rows in set (0.0251 sec)

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

QUERY:

```
SELECT c.CourierID,c.TrackingNumber,s.ServiceID,s.ServiceName,s.Cost FROM Courier AS c LEFT JOIN CourierServices AS s ON c.ServiceID=s.ServiceID UNION SELECT c.CourierID,c.TrackingNumber,s.ServiceID,s.ServiceName,s.Cost FROM Courier AS c RIGHT JOIN CourierServices AS s ON c.ServiceID=s.ServiceID;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL> SELECT c.CourierID, c.TrackingNumber, s.ServiceID, s.ServiceName,
-> s.Cost FROM Courier AS c LEFT JOIN CourierServices
-> AS s ON c.ServiceID = s.ServiceID UNION
-> SELECT c.CourierID, c.TrackingNumber, s.ServiceID, s.ServiceName,
-> s.Cost FROM Courier AS c RIGHT JOIN CourierServices AS s ON c.ServiceID = s.ServiceID;
```

CourierID	TrackingNumber	ServiceID	ServiceName	Cost
201	TRK2001	1	Standard Delivery	150.00
202	TRK2002	2	Express Delivery	300.00
203	TRK2003	1	Standard Delivery	150.00
204	TRK2004	2	Express Delivery	300.00
205	TRK2005	1	Standard Delivery	150.00
206	TRK2006	3	Same-Day Delivery	500.00
207	TRK2007	4	Overnight Delivery	450.00
208	TRK2008	5	Eco Saver Delivery	100.00
209	TRK2009	6	Premium Handling Service	650.00
210	TRK2010	NULL	NULL	NULL
215	TRK215	NULL	NULL	NULL

11 rows in set (0.0048 sec)

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

QUERY:

```
SELECT e.EmpID,e.Name AS EmployeeName,p.PaymentID,p.Amount,p.PaymentDate FROM Employee AS e LEFT JOIN Payment AS p ON e.EmpID=p.EmpID UNION SELECT e.EmpID,e.Name AS EmployeeName,p.PaymentID,p.Amount,p.PaymentDate FROM Employee AS e RIGHT JOIN Payment AS p ON e.EmpID=p.EmpID;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL> /*task-4 ques-35 Retrieve a list of all employees and their corresponding payments, including cases where there are no matches on either side*/
MySQL localhost:3306 ssl couriermanagementdb SQL> SELECT e.EmpID,e.Name AS EmployeeName, p.PaymentID, p.Amount, p.PaymentDate
-> FROM Employee AS e LEFT JOIN Payment AS p ON e.EmpID = p.EmpID UNION
-> SELECT e.EmpID, e.Name AS EmployeeName, p.PaymentID, p.Amount, p.PaymentDate
-> FROM Employee AS e RIGHT JOIN Payment AS p ON e.EmpID = p.EmpID;
```

EmpID	EmployeeName	PaymentID	Amount	PaymentDate
1201	Shakthi	601	120.00	2025-06-10
1201	Shakthi	603	90.00	2025-06-14
1201	Shakthi	606	45.00	2025-06-11
1201	Shakthi	608	250.00	2025-06-09
1202	Manikandan	602	30.00	2025-06-12
1202	Manikandan	610	100.00	2025-06-14
1203	Shalini	NULL	NULL	NULL
1204	Surya	604	29.00	2025-06-08
1204	Surya	609	7000.00	2025-06-12
1205	Shai Sharath	605	550.00	2025-06-07
1206	Mukundh	NULL	NULL	NULL
1207	Marhook	607	180.00	2025-06-13
1208	John paul	NULL	NULL	NULL
1209	Peter John Francis	NULL	NULL	NULL
1210	Kevin John	NULL	NULL	NULL
NULL	NULL	611	40.00	2025-06-15
NULL	NULL	612	25.00	2025-06-16
NULL	NULL	617	1200.00	2025-06-20

18 rows in set (0.0017 sec)

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

QUERY:

```
SELECT u.UserID,u.Name AS UserName,s.ServiceID,s.ServiceName FROM User AS u CROSS JOIN  
CourierServices AS s;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-36 List all users and all courier services, showing all possible combinations*/  
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT u.UserID, u.Name AS UserName, s.ServiceID, s.ServiceName  
-> FROM User AS u CROSS JOIN CourierServices AS s;  
  
+-----+-----+-----+-----+  
| UserID | UserName | ServiceID | ServiceName |  
+-----+-----+-----+-----+  
| 125 | Lavanya | 1 | Standard Delivery |  
| 124 | Mary | 1 | Standard Delivery |  
| 123 | John | 1 | Standard Delivery |  
| 122 | Agnes | 1 | Standard Delivery |  
| 121 | Brindha | 1 | Standard Delivery |  
| 125 | Lavanya | 2 | Express Delivery |  
| 124 | Mary | 2 | Express Delivery |  
| 123 | John | 2 | Express Delivery |  
| 122 | Agnes | 2 | Express Delivery |  
| 121 | Brindha | 2 | Express Delivery |  
| 125 | Lavanya | 3 | Same-Day Delivery |  
| 124 | Mary | 3 | Same-Day Delivery |  
| 123 | John | 3 | Same-Day Delivery |  
| 122 | Agnes | 3 | Same-Day Delivery |  
| 121 | Brindha | 3 | Same-Day Delivery |  
| 125 | Lavanya | 4 | Overnight Delivery |  
| 124 | Mary | 4 | Overnight Delivery |  
| 123 | John | 4 | Overnight Delivery |  
| 122 | Agnes | 4 | Overnight Delivery |  
| 121 | Brindha | 4 | Overnight Delivery |  
| 125 | Lavanya | 5 | Eco Saver Delivery |  
| 124 | Mary | 5 | Eco Saver Delivery |  
| 123 | John | 5 | Eco Saver Delivery |  
| 122 | Agnes | 5 | Eco Saver Delivery |  
| 121 | Brindha | 5 | Eco Saver Delivery |  
| 125 | Lavanya | 6 | Premium Handling Service |  
| 124 | Mary | 6 | Premium Handling Service |  
| 123 | John | 6 | Premium Handling Service |  
| 122 | Agnes | 6 | Premium Handling Service |  
| 121 | Brindha | 6 | Premium Handling Service |  
+-----+-----+-----+-----+  
30 rows in set (0.0035 sec)
```

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

QUERY: SELECT e.EmpID,e.Name AS EmployeeName,l.LocationID,l.LocationName FROM Employee AS e
CROSS JOIN location AS l;

MySQL	localhost:3306 ssl	couriermanagementdb	SQL	> /*task-4 ques-37 List all employees and all locations, showing all possible combinations*/
MySQL	localhost:3306 ssl	couriermanagementdb	SQL	> SELECT e.EmpID, e.Name AS EmployeeName, l.LocationID, l.LocationName
				-> FROM Employee AS e CROSS JOIN Location AS l;
EmpID	EmployeeName	LocationID	LocationName	
1201	Shakthi	839	Hosur Delivery Express	
1201	Shakthi	838	Vellore Parcels	
1201	Shakthi	837	Salem Delivery Point	
1201	Shakthi	836	Pondy Couriers	
1201	Shakthi	835	Covai Express Delivery	
1201	Shakthi	834	Madurai Parcel Services	
1201	Shakthi	833	Thanjai Courier Point	
1201	Shakthi	832	Trichy Courier Services	
1201	Shakthi	831	Kumbakonam Delivery Express	
1202	Manikandan	839	Hosur Delivery Express	
1202	Manikandan	838	Vellore Parcels	
1202	Manikandan	837	Salem Delivery Point	
1202	Manikandan	836	Pondy Couriers	
1202	Manikandan	835	Covai Express Delivery	
1202	Manikandan	834	Madurai Parcel Services	
1202	Manikandan	833	Thanjai Courier Point	
1202	Manikandan	832	Trichy Courier Services	
1202	Manikandan	831	Kumbakonam Delivery Express	
1203	Shalini	839	Hosur Delivery Express	
1203	Shalini	838	Vellore Parcels	
1203	Shalini	837	Salem Delivery Point	
1203	Shalini	836	Pondy Couriers	
1203	Shalini	835	Covai Express Delivery	
1203	Shalini	834	Madurai Parcel Services	
1203	Shalini	833	Thanjai Courier Point	
1203	Shalini	832	Trichy Courier Services	
1203	Shalini	831	Kumbakonam Delivery Express	
1204	Surya	839	Hosur Delivery Express	
1204	Surya	838	Vellore Parcels	
1204	Surya	837	Salem Delivery Point	
1204	Surya	836	Pondy Couriers	
1204	Surya	835	Covai Express Delivery	
1204	Surya	834	Madurai Parcel Services	
1204	Surya	833	Thanjai Courier Point	
1204	Surya	832	Trichy Courier Services	
1204	Surya	831	Kumbakonam Delivery Express	
1205	Shai Sharath	839	Hosur Delivery Express	
1205	Shai Sharath	838	Vellore Parcels	
1205	Shai Sharath	837	Salem Delivery Point	
1205	Shai Sharath	836	Pondy Couriers	
1205	Shai Sharath	835	Covai Express Delivery	
1205	Shai Sharath	834	Madurai Parcel Services	
1205	Shai Sharath	833	Thanjai Courier Point	
1205	Shai Sharath	832	Trichy Courier Services	
1205	Shai Sharath	831	Kumbakonam Delivery Express	
1206	Mukundh	839	Hosur Delivery Express	
1206	Mukundh	838	Vellore Parcels	
1206	Mukundh	837	Salem Delivery Point	
1206	Mukundh	836	Pondy Couriers	
1206	Mukundh	835	Covai Express Delivery	
1206	Mukundh	834	Madurai Parcel Services	
1206	Mukundh	833	Thanjai Courier Point	
1206	Mukundh	832	Trichy Courier Services	
1206	Mukundh	831	Kumbakonam Delivery Express	
1207	Marshook	839	Hosur Delivery Express	
1207	Marshook	838	Vellore Parcels	
1207	Marshook	837	Salem Delivery Point	
1207	Marshook	836	Pondy Couriers	
1207	Marshook	835	Covai Express Delivery	
1207	Marshook	834	Madurai Parcel Services	
1207	Marshook	833	Thanjai Courier Point	
1207	Marshook	832	Trichy Courier Services	
1207	Marshook	831	Kumbakonam Delivery Express	
1208	John paul	839	Hosur Delivery Express	
1208	John paul	838	Vellore Parcels	
1208	John paul	837	Salem Delivery Point	
1208	John paul	836	Pondy Couriers	
1208	John paul	835	Covai Express Delivery	
1208	John paul	834	Madurai Parcel Services	
1208	John paul	833	Thanjai Courier Point	
1208	John paul	832	Trichy Courier Services	
1208	John paul	831	Kumbakonam Delivery Express	
1209	Peter John Francis	839	Hosur Delivery Express	
1209	Peter John Francis	838	Vellore Parcels	
1209	Peter John Francis	837	Salem Delivery Point	
1209	Peter John Francis	836	Pondy Couriers	
1209	Peter John Francis	835	Covai Express Delivery	
1209	Peter John Francis	834	Madurai Parcel Services	
1209	Peter John Francis	833	Thanjai Courier Point	
1209	Peter John Francis	832	Trichy Courier Services	
1209	Peter John Francis	831	Kumbakonam Delivery Express	
1210	Kevin John	839	Hosur Delivery Express	
1210	Kevin John	838	Vellore Parcels	
1210	Kevin John	837	Salem Delivery Point	
1210	Kevin John	836	Pondy Couriers	
1210	Kevin John	835	Covai Express Delivery	
1210	Kevin John	834	Madurai Parcel Services	
1210	Kevin John	833	Thanjai Courier Point	
1210	Kevin John	832	Trichy Courier Services	
1210	Kevin John	831	Kumbakonam Delivery Express	
90 rows in set (0.0011 sec)				

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

QUERY:

```
SELECT c.CourierID,u.UserID,u.Name AS SenderName,u.Email,u.ConatctNumber,c.TrackingNumber FROM
Courier AS c LEFT JOIN User AS u ON c.UserID=u.UserID;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-38 Retrieve a list of couriers and their corresponding sender information (if available)*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT c.CourierID, u.UserID, u.Name AS SenderName, u.Email, u.ContactNumber, c.TrackingNumber
-> FROM Courier AS c LEFT JOIN User AS u ON c.UserID = u.UserID;
```

CourierID	UserID	SenderName	Email	ContactNumber	TrackingNumber
201	123	John	johnjohn@gmail.com	8270465829	TRK2001
202	121	Brindha	brindha10@gmail.com	9857679819	TRK2002
203	125	Lavanya	lavanya04@gmail.com	7308952618	TRK2003
204	122	Agnes	agnes94@gmail.com	9786564872	TRK2004
205	121	Brindha	brindha10@gmail.com	9857679819	TRK2005
206	124	Mary	maryjose@gmail.com	9896284637	TRK2006
207	125	Lavanya	lavanya04@gmail.com	7308952618	TRK2007
208	121	Brindha	brindha10@gmail.com	9857679819	TRK2008
209	123	John	johnjohn@gmail.com	8270465829	TRK2009
210	124	Mary	maryjose@gmail.com	9896284637	TRK2010
215	121	Brindha	brindha10@gmail.com	9857679819	TRK215

11 rows in set (0.0013 sec)

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

QUERY:

```
SELECT CourierID,ReceiverName,ReceiverAddress,TrackingNumber,DeliveryDate FROM Courier;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-39 Retrieve a list of couriers and their corresponding receiver information (if available)*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT CourierID, ReceiverName, ReceiverAddress, TrackingNumber, DeliveryDate FROM Courier;
```

CourierID	ReceiverName	ReceiverAddress	TrackingNumber	DeliveryDate
201	Kavi	Hyderabad	TRK2001	2025-06-10
202	Revathi	Delhi	TRK2002	2025-06-14
203	Rekha	Bangalore	TRK2003	2025-06-20
204	Deepa	Pune	TRK2004	2025-06-08
205	Meera	Lucknow	TRK2005	2025-06-05
206	Sahana	Chennai	TRK2006	2025-06-12
207	Vijay	Kolkata	TRK2007	2025-06-22
208	Ayesha	Jaipur	TRK2008	2025-06-11
209	Arjun	Ahmedabad	TRK2009	2025-06-13
210	Karthik	Delhi	TRK2010	2025-06-25
215	Arun	Bangalore	TRK215	2025-06-21

11 rows in set (0.0007 sec)

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

QUERY:

```
SELECT c.CourierID,c.TrackingNumber,s.ServiceID,s.ServiceName,s.Cost FROM Courier AS c LEFT JOIN
CourierServices AS s ON c.SevriceID=s.ServiceID;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*Task-4 ques-40 Retrieve a list of couriers along with the courier service details (if available)*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT c.CourierID, c.TrackingNumber, s.ServiceID, s.ServiceName, s.Cost
-> FROM Courier AS c LEFT JOIN CourierServices AS s
-> ON c.ServiceID = s.ServiceID;
```

CourierID	TrackingNumber	ServiceID	ServiceName	Cost
201	TRK2001	1	Standard Delivery	150.00
202	TRK2002	2	Express Delivery	300.00
203	TRK2003	1	Standard Delivery	150.00
204	TRK2004	2	Express Delivery	300.00
205	TRK2005	1	Standard Delivery	150.00
206	TRK2006	3	Same-Day Delivery	500.00
207	TRK2007	4	Overnight Delivery	450.00
208	TRK2008	5	Eco Saver Delivery	100.00
209	TRK2009	6	Premium Handling Service	650.00
210	TRK2010	NULL	NULL	NULL
215	TRK215	NULL	NULL	NULL

11 rows in set (0.0013 sec)

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

QUERY:

```
SELECT e.EmpID,e.Name, COUNT(c.CourierID) AS CouriersHandled FROM Employee AS e LEFT JOIN Courier AS c ON e.EmpID=c.EmpID GROUP BY e.EmpID,e.Name;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-41 Retrieve a list of couriers along with the courier service details (if available)*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT e.EmpID, e.Name, COUNT(c.CourierID) AS CouriersHandled
-> FROM Employee AS e LEFT JOIN Courier AS c ON e.EmpID = c.EmpID
-> GROUP BY e.EmpID, e.Name;
```

EmpID	Name	CouriersHandled
1201	Shakthi	5
1202	Manikandan	1
1203	Shalini	0
1204	Surya	2
1205	Shai Sharath	1
1206	Mukundh	0
1207	Marhook	1
1208	John paul	0
1209	Peter John Francis	0
1210	Kevin John	0

10 rows in set (0.0017 sec)

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

QUERY:

```
SELECT l.LocationID, l.LocationName, SUM(p.Amount) AS TotalPaymentReceived FROM Location AS l JOIN Payment AS p ON l.LocationID = p.LocationID GROUP BY l.LocationID, l.LocationName;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-42 Retrieve a list of locations and the total payment amount received at each location*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT l.LocationID, l.LocationName, SUM(p.Amount) AS TotalPaymentReceived
-> FROM Location AS l JOIN Payment AS p ON l.LocationID = p.LocationID GROUP
-> BY l.LocationID, l.LocationName;
```

LocationID	LocationName	TotalPaymentReceived
831	Kumbakonam Delivery Express	1360.00
832	Trichy Courier Services	155.00
833	Thanjai Courier Point	90.00
834	Madurai Parcel Services	29.00
835	Covai Express Delivery	550.00
836	Pondy Couriers	45.00
837	Salem Delivery Point	180.00
838	Vellore Parcels	250.00
839	Hosur Delivery Express	7000.00

9 rows in set (0.0059 sec)

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

QUERY:

```
SELECT * FROM Courier WHERE SenderName IN (SELECT SenderName FROM Courier GROUP BY SenderName HAVING COUNT(*) > 1);
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*Task-4 ques-43 Retrieve all couriers sent by the same sender (based on SenderName)*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Courier WHERE SenderName IN (SELECT SenderName
-> FROM Courier GROUP BY SenderName HAVING COUNT(*) > 1);
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	UserID	OrderDate	EmpID	LocationID	ServiceID
204	Lavanya	Kumbakonam	Deepa	Pune	4.20	Delivered	TRK2004	2025-06-08	122	2025-06-06	1204	833	2
220	Lavanya	Kumbakonam	Meena	Chennai	1.50	Delivered	TRK220	2025-06-21	125	2025-06-18	NULL	831	NULL

2 rows in set (0.0011 sec)

44. List all employees who share the same role:

QUERY:

```
SELECT * FROM Employee WHERE Role IN (SELECT Role FROM Employee GROUP BY Role HAVING
COUNT(*) > 1);
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-44 List all employees who share the same role*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Employee WHERE Role IN (SELECT
-> Role FROM Employee GROUP BY Role HAVING COUNT(*) > 1);
```

EmpID	Name	Email	ContactNumber	Role	Salary
1201	Shakthi	shakthi002@gmail.com	9095866437	Delivery Executive	22000.00
1203	Shalini	shalini4444@gmail.com	7205783480	Supervisor	30000.00
1204	Surya	suryasekar@gmail.com	9786453768	Delivery Executive	24000.00
1205	Shai Sharath	shaisharath@gmail.com	9629698774	Supervisor	35000.00
1207	Marshook	marshook09@gmail.com	7094555273	Delivery Executive	27000.00
1208	John paul	pauljohn@gmail.com	9678674587	Delivery Executive	29000.00
1210	Kevin John	kevin@gmail.com	8234758972	Delivery Executive	28000.00

```
7 rows in set (0.0480 sec)
```

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

QUERY:

```
SELECT p.PaymentID, p.CourierID, p.Amount, p.PaymentDate, c.LocationID FROM Payment AS p JOIN Courier
AS c ON p.CourierID = c.CourierID WHERE c.LocationID IN (SELECT LocationID FROM Courier GROUP BY
LocationID HAVING COUNT(*) > 1);
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-45 Retrieve all payments made for couriers sent from the same location*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT p.PaymentID, p.CourierID, p.Amount, p.PaymentDate, c.LocationID
-> FROM Payment AS p JOIN Courier AS c ON p.CourierID = c.CourierID
-> WHERE c.LocationID IN (SELECT LocationID
-> FROM Courier GROUP BY LocationID HAVING COUNT(*) > 1);
```

PaymentID	CourierID	Amount	PaymentDate	LocationID
601	201	120.00	2025-06-10	831
603	203	90.00	2025-06-14	831

```
2 rows in set (0.0020 sec)
```

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

QUERY:

```
SELECT CourierID,SenderName,SenderAddress, ReceiverName, ReceiverAddress, Weight,Status,TrackingNumber,
DeliveryDate FROM Courier WHERE SenderAddress IN (SELECT SenderAddress FROM Courier GROUP BY
SenderAddress HAVING COUNT(*) > 1);
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-46 Retrieve all couriers sent from the same location (based on SenderAddress)*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT CourierID, SenderName, SenderAddress, ReceiverName, ReceiverAddress, Weight, Status, TrackingNumber, DeliveryDate
-> FROM Courier WHERE SenderAddress IN (SELECT SenderAddress FROM
-> Courier GROUP BY SenderAddress HAVING COUNT(*) > 1);
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
201	Mr. Ramachandran	Chennai	Kavi	Hyderabad	2.80	Delivered	TRK2001	2025-06-10
202	Agnes	Madurai	Revathi	Delhi	1.50	In Transit	TRK2002	2025-06-14
203	Maveen	Coimbatore	Rekha	Bangalore	3.00	Yet to Dispatch	TRK2003	2025-06-20
204	Lavanya	Kumbakonam	Deepa	Pune	4.20	Delivered	TRK2004	2025-06-08
207	John	Coimbatore	Vijay	Kolkata	3.50	Yet to Dispatch	TRK2007	2025-06-22
209	Brindha	Chennai	Arjun	Ahmedabad	3.80	In Transit	TRK2009	2025-06-13
210	Sundar	Madurai	Karthik	Delhi	1.30	Yet to Dispatch	TRK2010	2025-06-25
215	Pooja	Kumbakonam	Arun	Bangalore	2.50	Delivered	TRK215	2025-06-21
220	Lavanya	Kumbakonam	Meena	Chennai	1.50	Delivered	TRK220	2025-06-21

```
9 rows in set (0.0085 sec)
```

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

QUERY:

```
SELECT e.EmpID, e.Name AS EmployeeName, COUNT(c.CourierID) AS TotalCouriersDelivered FROM Employee
AS e LEFT JOIN Courier AS c ON e.EmpID = c.EmpID AND c.Status = 'Delivered' WHERE e.Role = 'Delivery
Executive' GROUP BY e.EmpID, e.Name;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-47 List employees and the number of couriers they have delivered*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT e.EmpID, e.Name AS EmployeeName, COUNT(c.CourierID) AS TotalCouriersDelivered
-> FROM Employee AS e LEFT JOIN Courier AS c ON e.EmpID = c.EmpID AND
-> c.Status = 'Delivered' WHERE e.Role = 'Delivery Executive' GROUP BY e.EmpID, e.Name;
```

EmpID	EmployeeName	TotalCouriersDelivered
1201	Shakthi	2
1204	Surya	1
1207	Marhook	0
1208	John paul	0
1210	Kevin John	0

5 rows in set (0.0058 sec)

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

QUERY:

```
SELECT c.CourierID, c.TrackingNumber, cs.ServiceName, cs.Cost AS ServiceCost, p.Amount AS PaymentAmount
FROM Courier AS c JOIN CourierServices AS cs ON c.ServiceID = cs.ServiceID JOIN Payment AS p ON
c.CourierID = p.CourierID WHERE p.Amount > cs.Cost;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-48 Find couriers that were paid an amount greater than the cost of their respective courier services*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT c.CourierID, c.TrackingNumber, cs.ServiceName, cs.Cost AS ServiceCost, p.Amount
-> AS PaymentAmount FROM Courier AS c JOIN CourierServices AS cs ON c.ServiceID = cs.ServiceID
-> JOIN Payment AS p ON c.CourierID = p.CourierID WHERE p.Amount > cs.Cost;
```

CourierID	TrackingNumber	ServiceName	ServiceCost	PaymentAmount
205	TRK2005	Standard Delivery	150.00	550.00
208	TRK2008	Eco Saver Delivery	100.00	250.00
209	TRK2009	Premium Handling Service	650.00	7000.00

3 rows in set (0.0079 sec)

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:

QUERY:

```
SELECT * FROM Courier WHERE Weight > (SELECT AVG(Weight) FROM Courier);
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-49 Find couriers that have a weight greater than the average weight of all couriers*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Courier WHERE Weight > (SELECT AVG(Weight) FROM Courier);
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	UserID	OrderDate	EmpID	LocationID	ServiceID
201	Mr. Ramachandran	Chennai	Kavi	Hyderabad	2.80	Delivered	TRK2001	2025-06-10	123	2025-06-08	1201	831	1
203	Naveen	Coimbatore	Rekha	Bangalore	3.00	Yet to Dispatch	TRK2003	2025-06-20	125	2025-06-19	1201	831	1
204	Lavanya	Kumbakonam	Deepa	Pune	4.20	Delivered	TRK2004	2025-06-08	122	2025-06-06	1204	833	2
205	Mary	Tiruchirapalli	Meera	Lucknow	2.70	Cancelled	TRK2005	2025-06-05	121	2025-06-05	1205	834	1
207	John	Coimbatore	Vijay	Kolkata	3.50	Yet to Dispatch	TRK2007	2025-06-22	125	2025-06-08	1207	836	4
209	Brindha	Chennai	Arjun	Ahmedabad	3.80	In Transit	TRK2009	2025-06-13	123	2025-06-07	1204	838	6

6 rows in set (0.0039 sec)

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

QUERY:

```
SELECT EmpID,Name,Salary FROM Employee WHERE Salary>(SELECT AVG(Salary) FROM Employee);
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*Task-4 ques-50 Find the names of all employees who have a salary greater than the average salary*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT EmpID,Name,Salary FROM Employee WHERE Salary>(SELECT AVG(Salary) FROM Employee);
```

EmpID	Name	Salary
1202	Manikandan	55000.00
1205	Shai Sharath	35000.00
1206	Mukundh	45000.00
1209	Peter John Francis	35000.00

4 rows in set (0.0018 sec)

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

QUERY:

```
SELECT ServiceName, SUM(Cost) AS TotalCost FROM CourierServices WHERE Cost<(SELECT MAX(Cost) FROM CourierServices) GROUP BY ServiceName;
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*Task-4 ques-51 Find the total cost of all courier services where the cost is less than the maximum cost*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT ServiceName, SUM(Cost) AS TotalCost FROM CourierServices WHERE Cost<(SELECT MAX(Cost) FROM CourierServices) GROUP BY ServiceName;
```

ServiceName	TotalCost
Standard Delivery	150.00
Express Delivery	300.00
Same-Day Delivery	500.00
Overnight Delivery	450.00
Eco Saver Delivery	100.00

5 rows in set (0.0016 sec)

52. Find all couriers that have been paid for:

QUERY:

```
SELECT * FROM Courier WHERE CourierID IN (SELECT CourierID FROM Payment);
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*task-4 ques-52 Find all couriers that have been paid for*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Courier WHERE CourierID IN (SELECT CourierID FROM Payment);
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	UserID	OrderDate	EmpID	LocationID	ServiceID
201	Mr. Ramachandran	Chennai	Kavi	Hyderabad	2.80	Delivered	TRK2001	2025-06-10	123	2025-06-08	1201	831	1
202	Agnes	Madurai	Revathi	Delhi	1.50	In Transit	TRK2002	2025-06-14	121	2025-06-09	1202	832	2
203	Naveen	Coimbatore	Rekha	Bangalore	3.00	Yet to Dispatch	TRK2003	2025-06-20	125	2025-06-10	1201	831	1
204	Lavanya	Kumbakonam	Deepa	Pune	4.20	Delivered	TRK2004	2025-06-08	122	2025-06-06	1204	833	2
205	Mary	Tiruchirappalli	Meera	Lucknow	2.70	Cancelled	TRK2005	2025-06-05	121	2025-06-05	1205	834	1
206	Kiran	Mumbai	Sahana	Chennai	1.90	In Transit	TRK2006	2025-06-12	124	2025-06-07	1201	835	3
207	John	Coimbatore	Vijay	Kolkata	3.50	Yet to Dispatch	TRK2007	2025-06-22	125	2025-06-08	1207	836	4
208	Ravi	Trichy	Ayesha	Jaipur	2.00	Delivered	TRK2008	2025-06-11	121	2025-06-06	1201	837	5
209	Brindha	Chennai	Arjun	Ahmedabad	3.80	In Transit	TRK2009	2025-06-13	123	2025-06-07	1204	838	6
210	Sundar	Madurai	Karthik	Delhi	1.30	Yet to Dispatch	TRK2010	2025-06-25	124	2025-06-09	1201	839	NULL
215	Pooja	Kumbakonam	Arun	Bangalore	2.50	Delivered	TRK215	2025-06-21	121	2025-06-18	NULL	NULL	NULL

11 rows in set (0.0062 sec)

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

QUERY:

```
SELECT l.LocationID, l.LocationName, p.Amount FROM Payment AS p JOIN Location AS l ON p.LocationID = l.LocationID WHERE p.Amount = (SELECT MAX(Amount) FROM Payment);
```

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*TASK-4 ques-53 Find the locations where the maximum payment amount was made*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT l.LocationID, l.LocationName, p.Amount FROM Payment AS p JOIN Location AS l ON p.LocationID = l.LocationID WHERE p.Amount = (SELECT MAX(Amount) FROM Payment);
```

LocationID	LocationName	Amount
839	Hosur Delivery Express	7000.00

1 row in set (0.0017 sec)

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

QUERY:

1. SELECT * FROM Courier WHERE Weight > ALL (SELECT Weight FROM Courier WHERE SenderName = 'Brindha');
2. SELECT * FROM Courier WHERE Weight > ALL (SELECT Weight FROM Courier WHERE SenderName = 'Pooja');

```
MySQL localhost:3306 ssl couriermanagementdb SQL > /*Task-4 ques-54 Find all couriers whose weight is greater than the weight of all couriers sent by a specific sender (e.g., 'SenderName')*/
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Courier WHERE Weight > ALL (SELECT Weight FROM Courier WHERE SenderName = 'Brindha');
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	UserID	OrderDate	EmpID	LocationID	ServiceID
204	Lavanya	Kumbakonam	Deepa	Pune	4.20	Delivered	TRK2004	2025-06-08	122	2025-06-06	1204	833	2

1 row in set (0.0014 sec)

```
MySQL localhost:3306 ssl couriermanagementdb SQL > SELECT * FROM Courier WHERE Weight > ALL (SELECT Weight FROM Courier WHERE SenderName = 'Pooja');
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	UserID	OrderDate	EmpID	LocationID	ServiceID
201	Mr. Ramachandran	Chennai	Kavi	Hyderabad	2.80	Delivered	TRK2001	2025-06-10	123	2025-06-08	1201	831	1
203	Naveen	Coimbatore	Rekha	Bangalore	3.00	Yet to Dispatch	TRK2003	2025-06-20	125	2025-06-10	1201	831	1
204	Lavanya	Kumbakonam	Deepa	Pune	4.20	Delivered	TRK2004	2025-06-08	122	2025-06-06	1204	833	2
205	Mary	Tiruchirapalli	Meera	Lucknow	2.70	Cancelled	TRK2005	2025-06-05	121	2025-06-05	1205	834	1
207	John	Coimbatore	Vijay	Kolkata	3.50	Yet to Dispatch	TRK2007	2025-06-22	125	2025-06-08	1207	836	4
209	Brindha	Chennai	Arjun	Ahmedabad	3.00	In Transit	TRK2009	2025-06-13	123	2025-06-07	1204	838	6

6 rows in set (0.0024 sec)