

ASSIGNMENT – 1

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

TASK 1:

-- User Table

```
CREATE TABLE Users (  
    UserID INT PRIMARY KEY AUTO_INCREMENT,  
    Name VARCHAR(255),  
    Email VARCHAR(255) UNIQUE,  
    Password VARCHAR(255),  
    ContactNumber VARCHAR(20),  
    Address TEXT  
);
```

-- Courier Table

```
CREATE TABLE Couriers (  
    CourierID INT PRIMARY KEY AUTO_INCREMENT,  
    SenderName VARCHAR(255),  
    SenderAddress TEXT,  
    ReceiverName VARCHAR(255),  
    ReceiverAddress TEXT,  
    Weight DECIMAL(5, 2),  
    Status VARCHAR(50),  
    TrackingNumber VARCHAR(20) UNIQUE,  
    DeliveryDate DATE  
);
```

-- Employee Table

```
CREATE TABLE Employees (  
    EmployeeID INT PRIMARY KEY AUTO_INCREMENT,  
    Name VARCHAR(255),  
    Email VARCHAR(255) UNIQUE,  
    ContactNumber VARCHAR(20),  
    Role VARCHAR(50),
```

```
Salary DECIMAL(10, 2)

);
```

-- Location Table

```
CREATE TABLE Locations (

    LocationID INT PRIMARY KEY AUTO_INCREMENT,

    LocationName VARCHAR(100),

    Address TEXT

);
```

-- Payment Table

```
CREATE TABLE Payments (

    PaymentID INT PRIMARY KEY AUTO_INCREMENT,

    CourierID INT,

    LocationID INT,

    Amount DECIMAL(10, 2),

    PaymentDate DATE,

    FOREIGN KEY (CourierID) REFERENCES Couriers(CourierID),

    FOREIGN KEY (LocationID) REFERENCES Locations(LocationID)

);
```

Task 2: Select,Where

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

1. List all customers:

```
mysql> select * from users;
```

UserID	Name	Email	Password	ContactNumber	Address
1	John Doe	john@example.com	password123	123-456-7890	123 Main St
2	Jane Smith	jane@example.com	password456	987-654-3210	456 Elm St
3	Emily Brown	emily@example.com	password789	111-222-3333	789 Oak St
4	Michael Johnson	michael@example.com	passwordABC	444-555-6666	456 Maple St
5	Sophia Wilson	sophia@example.com	passwordDEF	777-888-9999	101 Pine St
6	Oliver Taylor	oliver@example.com	passwordGHI	123-456-7890	321 Cedar St
7	Emma Davis	emma@example.com	passwordJKL	333-444-5555	222 Walnut St
8	William Martinez	william@example.com	passwordMNO	666-777-8888	555 Chestnut St
9	Isabella Anderson	isabella@example.com	passwordPQR	999-000-1111	888 Oak St
10	Sophie Thompson	sophie@example.com	passwordSTU	222-333-4444	777 Maple St

2. List all orders for a specific customer:

```
mysql> select * from couriers where sendername= 'sender A';
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	Sender A	123 Sender St	Receiver X	456 Receiver St	3.50	In Transit	TRACK123	2024-04-12

1 row in set (0.00 sec)

- List all couriers:

```
mysql> select * from couriers;
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	Sender A	123 Sender St	Receiver X	456 Receiver St	3.50	In Transit	TRACK123	2024-04-12
2	Sender B	789 Sender St	Receiver Y	101 Receiver St	2.20	Delivered	TRACK456	2024-04-10
3	Sender C	321 Sender St	Receiver Z	789 Receiver St	4.00	Pending	TRACK789	2024-04-15
4	Sender D	555 Sender St	Receiver W	888 Receiver St	1.80	In Transit	TRACKXYZ1	2024-04-11
5	Sender E	999 Sender St	Receiver V	222 Receiver St	3.70	Delivered	TRACKLMN	2024-04-09
6	Sender F	111 Sender St	Receiver U	333 Receiver St	2.50	Pending	TRACKOPQ	2024-04-14
7	Sender G	777 Sender St	Receiver T	444 Receiver St	5.20	In Transit	TRACKRST	2024-04-13
8	Sender H	888 Sender St	Receiver S	555 Receiver St	1.90	Delivered	TRACKUVW	2024-04-08
9	Sender I	222 Sender St	Receiver R	666 Receiver St	3.30	Pending	TRACKXYZ2	2024-04-16
10	Sender J	444 Sender St	Receiver Q	777 Receiver St	2.10	In Transit	TRACK1234	2024-04-17

10 rows in set (0.00 sec)

- List all packages for a specific order

```
mysql> select * from couriers where sendername = 'sender d';
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
4	Sender D	555 Sender St	Receiver W	888 Receiver St	1.80	In Transit	TRACKXYZ1	2024-04-11

1 row in set (0.00 sec)

- List all deliveries for a specific courier:

```
mysql> select * from couriers where courierid=5;
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
5	Sender E	999 Sender St	Receiver V	222 Receiver St	3.70	Delivered	TRACKLMN	2024-04-09

1 row in set (0.00 sec)

- List all undelivered packages:

```
mysql> select * from couriers where status <> 'delivered';
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	Sender A	123 Sender St	Receiver X	456 Receiver St	3.50	In Transit	TRACK123	2024-04-12
3	Sender C	321 Sender St	Receiver Z	789 Receiver St	4.00	Pending	TRACK789	2024-04-15
4	Sender D	555 Sender St	Receiver W	888 Receiver St	1.80	In Transit	TRACKXYZ1	2024-04-11
6	Sender F	111 Sender St	Receiver U	333 Receiver St	2.50	Pending	TRACKOPQ	2024-04-14
7	Sender G	777 Sender St	Receiver T	444 Receiver St	5.20	In Transit	TRACKRST	2024-04-13
9	Sender I	222 Sender St	Receiver R	666 Receiver St	3.30	Pending	TRACKXYZ2	2024-04-16
10	Sender J	444 Sender St	Receiver Q	777 Receiver St	2.10	In Transit	TRACK1234	2024-04-17

7 rows in set (0.00 sec)

- List all packages that are scheduled for delivery today:

```
Error 1064 (42002): Unknown column 'DeliveryDate' in 'where clause'
mysql> SELECT * FROM couriers WHERE DeliveryDate = CURDATE();
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
7	Sender G	777 Sender St	Receiver T	444 Receiver St	5.20	In Transit	TRACKRST	2024-04-13

1 row in set (0.00 sec)

- List all packages with a specific status:

```
Error 1106 (42002): Table 'mydb.couriers' doesn't exist
mysql> select * from couriers where status='in transit';
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	Sender A	123 Sender St	Receiver X	456 Receiver St	3.50	In Transit	TRACK123	2024-04-12
4	Sender D	555 Sender St	Receiver W	888 Receiver St	1.80	In Transit	TRACKXYZ1	2024-04-11
7	Sender G	777 Sender St	Receiver T	444 Receiver St	5.20	In Transit	TRACKRST	2024-04-13
10	Sender J	444 Sender St	Receiver Q	777 Receiver St	2.10	In Transit	TRACK1234	2024-04-17

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

```
mysql> SELECT
->     CourierID,
->     COUNT(*) AS TotalPackages
-> FROM
->     Couriers
-> GROUP BY
->     CourierID;
```

CourierID	TotalPackages
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1

10. Find the average delivery time for each courier

```
mysql> Select p.courierId, avg(datediff(c.deliveryDate,p.paymentDate)) as avgTime from payments p inner join couriers c on c.courierId =p.courierId grou
p by courierId;
```

courierId	avgTime
1	0.0000
2	0.0000
3	0.0000
4	0.0000
5	0.0000
6	6.0000
7	6.0000
8	2.0000
9	11.0000
10	13.0000

11. List all packages with a specific weight range:

```
mysql> select * from couriers where weight between 2.0 AND 3.0;
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
2	Sender B	789 Sender St	Receiver Y	101 Receiver St	2.20	Delivered	TRACK456	2024-04-10
6	Sender F	111 Sender St	Receiver U	333 Receiver St	2.50	Pending	TRACK0PQ	2024-04-14
10	Sender J	444 Sender St	Receiver Q	777 Receiver St	2.10	In Transit	TRACK1234	2024-04-17

3 rows in set (0.00 sec)

12. Retrieve employees whose names contain 'John'

```
mysql> select * from employees where name like '%John';
Empty set (0.00 sec)
```

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

```
mysql> SELECT couriers.*
-> FROM couriers
-> JOIN payments ON couriers.courierid = payments.courierid
-> WHERE payments.amount > 50.00;
Empty set (0.00 sec)
```

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

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

```
mysql> SELECT e.employeeid, COUNT(c.Courierid) AS Totalcouriershandled
-> FROM employees e
-> LEFT JOIN couriers c ON e.employeeid = c.courierid
-> GROUP BY e.employeeid;
```

employeeid	Totalcouriershandled
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1

15. Calculate the total revenue generated by each location

```
mysql> select locationid, sum(amount) as totalrevenue from payments group by
locationid;
```

locationid	totalrevenue
1	10.00
2	20.00
3	30.00
4	15.00
5	10.00
6	5.00
7	25.00
8	12.00
9	18.00
10	8.00

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

```
mysql> select LocationId, count(CourierId) from payments group by LocationId;
```

LocationId	count(CourierId)
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1

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

```
mysql> select p.courierid, avg(datediff(c.deliverydate, p.paymentdate)) as a
vgdeliverytime from payments p
-> inner join couriers c on c.courierid = p.courierid group by courierid
order by
-> avgdeliverytime desc limit 1;
```

courierid	avgdeliverytime
10	13.0000

1 row in set (0.01 sec)

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

```
mysql> select locationid, sum(amount) as Totalrevenue from payments group by
locationid having totalrevenue < 25;\
```

locationid	Totalrevenue
1	10.00
2	20.00
4	15.00
5	10.00
6	5.00
8	12.00
9	18.00
10	8.00

19. Calculate Total Payments per Location

```
mysql> select locationid, sum(amount) as totalpayments from payments group b
y locationid;
```

locationid	totalpayments
1	10.00
2	20.00
3	30.00
4	15.00
5	10.00
6	5.00
7	25.00
8	12.00
9	18.00
10	8.00

20. Retrieve couriers who have received payments totaling more than \$1000 in a specific location

(LocationID = X):

```
mysql> select courierid from payments where locationid=2 group by courierid
having sum(amount) > 10;
```

courierid
2

21. Retrieve couriers who have received payments totaling more than \$1000 after a certain date

(PaymentDate > 'YYYY-MM-DD'):

```
mysql> select courierid from payment where paymentdate> '2024-04-08' group b
y courierid having sum(amount) >25;
ERROR 1146 (42S02): Table 'cms.payment' doesn't exist
mysql> select courierid from payments where paymentdate> '2024-04-08' group
by courierid having sum(amount) >25;
```

courierid
3

22. Retrieve locations where the total amount received is more than \$5000 before a certain date

(PaymentDate > 'YYYY-MM-DD')

```
mysql> select locationid from payments where paymentdate> '2024-04-08' group
by locationid having sum(amount) >5000;
Empty set (0.00 sec)
```

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

23. Retrieve Payments with Courier Information

```
mysql> SELECT payments.*, couriers.*
-> FROM payments
-> JOIN couriers ON payments.courierid = couriers.courierid;
```

PaymentID	CourierID	LocationID	Amount	PaymentDate	CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	1	1	10.00	2024-04-12	1	Sender A	123 Sender St	Receiver X	456 Receiver St	3.50	In Transit	TRACK123	2024-04-12
2	2	2	20.00	2024-04-10	2	Sender B	789 Sender St	Receiver Y	101 Receiver St	2.20	Delivered	TRACK456	2024-04-10
3	3	3	30.00	2024-04-15	3	Sender C	321 Sender St	Receiver Z	789 Receiver St	4.00	Pending	TRACK789	2024-04-15
4	4	4	15.00	2024-04-11	4	Sender D	555 Sender St	Receiver W	888 Receiver St	1.80	In Transit	TRACKXYZ1	2024-04-11
5	5	5	10.00	2024-04-09	5	Sender E	999 Sender St	Receiver V	222 Receiver St	3.70	Delivered	TRACKLMN	2024-04-09
6	6	6	5.00	2024-04-08	6	Sender F	111 Sender St	Receiver U	333 Receiver St	2.50	Pending	TRACKOPQ	2024-04-14
7	7	7	25.00	2024-04-07	7	Sender G	777 Sender St	Receiver T	444 Receiver St	5.20	In Transit	TRACKRST	2024-04-13
8	8	8	12.00	2024-04-06	8	Sender H	888 Sender St	Receiver S	555 Receiver St	1.90	Delivered	TRACKUVW	2024-04-08
9	9	9	18.00	2024-04-05	9	Sender I	222 Sender St	Receiver R	666 Receiver St	3.30	Pending	TRACKXYZ2	2024-04-16
10	10	10	8.00	2024-04-04	10	Sender J	444 Sender St	Receiver Q	777 Receiver St	2.10	In Transit	TRACK1234	2024-04-17

24. Retrieve Payments with Location Information

```
mysql> select payments.*, locations.* from payments join locations on paymen
ts.locationid = locations.locationid;
```

PaymentID	CourierID	LocationID	Amount	PaymentDate	LocationID	LocationName	Address
1	1	1	10.00	2024-04-12	1	Warehouse A	789 Warehouse Ave
2	2	2	20.00	2024-04-10	2	Warehouse B	101 Warehouse St
3	3	3	30.00	2024-04-15	3	Warehouse C	555 Warehouse St
4	4	4	15.00	2024-04-11	4	Warehouse D	777 Warehouse Ave
5	5	5	10.00	2024-04-09	5	Office Headquarters	123 Office St
6	6	6	5.00	2024-04-08	6	Branch Office 1	456 Branch St
7	7	7	25.00	2024-04-07	7	Branch Office 2	789 Branch St
8	8	8	12.00	2024-04-06	8	Branch Office 3	101 Branch St
9	9	9	18.00	2024-04-05	9	Retail Store	555 Retail St
10	10	10	8.00	2024-04-04	10	Distribution Center	888 Distribution Ave

25. Retrieve Payments with Courier and Location Information

```
mysql> select payments.*, couriers.*, locations.* from payments join couriers on payments.courierid=couriers.courierid join locations on payments.locati
onid = locations.locationid;
```

PaymentID	CourierID	LocationID	Amount	PaymentDate	CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	LocationID	LocationName	Address
1	1	1	10.00	2024-04-12	1	Sender A	123 Sender St	Receiver X	456 Receiver St	3.50	In Transit	TRACK123	2024-04-12	1	Warehouse A	789 Warehouse Ave
2	2	2	20.00	2024-04-10	2	Sender B	789 Sender St	Receiver Y	101 Receiver St	2.20	Delivered	TRACK456	2024-04-10	2	Warehouse B	101 Warehouse St
3	3	3	30.00	2024-04-15	3	Sender C	321 Sender St	Receiver Z	789 Receiver St	4.00	Pending	TRACK789	2024-04-15	3	Warehouse C	555 Warehouse St
4	4	4	15.00	2024-04-11	4	Sender D	555 Sender St	Receiver W	888 Receiver St	1.80	In Transit	TRACKXYZ1	2024-04-11	4	Warehouse D	777 Warehouse Ave
5	5	5	10.00	2024-04-09	5	Sender E	999 Sender St	Receiver V	222 Receiver St	3.70	Delivered	TRACKLMN	2024-04-09	5	Office Headquarters	123 Office St
6	6	6	5.00	2024-04-08	6	Sender F	111 Sender St	Receiver U	333 Receiver St	2.50	Pending	TRACKOPQ	2024-04-14	6	Branch Office 1	456 Branch St
7	7	7	25.00	2024-04-07	7	Sender G	777 Sender St	Receiver T	444 Receiver St	5.20	In Transit	TRACKRST	2024-04-13	7	Branch Office 2	789 Branch St
8	8	8	12.00	2024-04-06	8	Sender H	888 Sender St	Receiver S	555 Receiver St	1.90	Delivered	TRACKUVW	2024-04-08	8	Branch Office 3	101 Branch St
9	9	9	18.00	2024-04-05	9	Sender I	222 Sender St	Receiver R	666 Receiver St	3.30	Pending	TRACKXYZ2	2024-04-16	9	Retail Store	555 Retail St
10	10	10	8.00	2024-04-04	10	Sender J	444 Sender St	Receiver Q	777 Receiver St	2.10	In Transit	TRACK1234	2024-04-17	10	Distribution Center	888 Distribution Ave

26. List all payments with courier details

```
mysql> select * from payments p left join couriers c on p.courierid=c.courie
rid;
```

PaymentID	CourierID	LocationID	Amount	PaymentDate	CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	1	1	10.00	2024-04-12	1	Sender A	123 Sender St	Receiver X	456 Receiver St	3.50	In Transit	TRACK123	2024-04-12
2	2	2	20.00	2024-04-10	2	Sender B	789 Sender St	Receiver Y	101 Receiver St	2.20	Delivered	TRACK456	2024-04-10
3	3	3	30.00	2024-04-15	3	Sender C	321 Sender St	Receiver Z	789 Receiver St	4.00	Pending	TRACK789	2024-04-15
4	4	4	15.00	2024-04-11	4	Sender D	555 Sender St	Receiver W	888 Receiver St	1.80	In Transit	TRACKXYZ1	2024-04-11
5	5	5	10.00	2024-04-09	5	Sender E	999 Sender St	Receiver V	222 Receiver St	3.70	Delivered	TRACKLMN	2024-04-09
6	6	6	5.00	2024-04-08	6	Sender F	111 Sender St	Receiver U	333 Receiver St	2.50	Pending	TRACKOPQ	2024-04-14
7	7	7	25.00	2024-04-07	7	Sender G	777 Sender St	Receiver T	444 Receiver St	5.20	In Transit	TRACKRST	2024-04-13
8	8	8	12.00	2024-04-06	8	Sender H	888 Sender St	Receiver S	555 Receiver St	1.90	Delivered	TRACKUVW	2024-04-08
9	9	9	18.00	2024-04-05	9	Sender I	222 Sender St	Receiver R	666 Receiver St	3.30	Pending	TRACKXYZ2	2024-04-16
10	10	10	8.00	2024-04-04	10	Sender J	444 Sender St	Receiver Q	777 Receiver St	2.10	In Transit	TRACK1234	2024-04-17

27. Total payments received for each courier

```
mysql> select courierid, sum(amount) as totalpayments from payments group by courierid;
```

courierid	totalpayments
1	10.00
2	20.00
3	30.00
4	15.00
5	10.00
6	5.00
7	25.00
8	12.00
9	18.00
10	8.00

28. List payments made on a specific date

```
mysql> select * from payments where paymentdate='2024-04-06';
```

PaymentID	CourierID	LocationID	Amount	PaymentDate
8	8	8	12.00	2024-04-06

29. Get Courier Information for Each Payment

```
mysql> select * from couriers c where c.courierid in (select courierid from payments);
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	Sender A	123 Sender St	Receiver X	456 Receiver St	3.50	In Transit	TRACK123	2024-04-12
2	Sender B	789 Sender St	Receiver Y	101 Receiver St	2.20	Delivered	TRACK456	2024-04-10
3	Sender C	321 Sender St	Receiver Z	789 Receiver St	4.00	Pending	TRACK789	2024-04-15
4	Sender D	555 Sender St	Receiver W	888 Receiver St	1.80	In Transit	TRACKXYZ1	2024-04-11
5	Sender E	999 Sender St	Receiver V	222 Receiver St	3.70	Delivered	TRACKLMN	2024-04-09
6	Sender F	111 Sender St	Receiver U	333 Receiver St	2.50	Pending	TRACKOPQ	2024-04-14
7	Sender G	777 Sender St	Receiver T	444 Receiver St	5.20	In Transit	TRACKRST	2024-04-13
8	Sender H	888 Sender St	Receiver S	555 Receiver St	1.90	Delivered	TRACKUVW	2024-04-08
9	Sender I	222 Sender St	Receiver R	666 Receiver St	3.30	Pending	TRACKXYZ2	2024-04-16
10	Sender J	444 Sender St	Receiver Q	777 Receiver St	2.10	In Transit	TRACK1234	2024-04-17

30. Get Payment Details with Location

```
mysql> select payments.*, locations.* from payments left join locations on payments.locationid = locations.locationid;
```

PaymentID	CourierID	LocationID	Amount	PaymentDate	LocationID	LocationName	Address
1	1	1	10.00	2024-04-12	1	Warehouse A	789 Warehouse Ave
2	2	2	20.00	2024-04-10	2	Warehouse B	101 Warehouse St
3	3	3	30.00	2024-04-15	3	Warehouse C	555 Warehouse St
4	4	4	15.00	2024-04-11	4	Warehouse D	777 Warehouse Ave
5	5	5	10.00	2024-04-09	5	Office Headquarters	123 Office St
6	6	6	5.00	2024-04-08	6	Branch Office 1	456 Branch St
7	7	7	25.00	2024-04-07	7	Branch Office 2	789 Branch St
8	8	8	12.00	2024-04-06	8	Branch Office 3	101 Branch St
9	9	9	18.00	2024-04-05	9	Retail Store	555 Retail St
10	10	10	8.00	2024-04-04	10	Distribution Center	888 Distribution Ave

31. Calculating Total Payments for Each Courier

```
mysql> select courierid, sum(amount) as totalpayments from payments group by courierid;
```

courierid	totalpayments
1	10.00
2	20.00
3	30.00
4	15.00
5	10.00
6	5.00
7	25.00
8	12.00
9	18.00
10	8.00

32. List Payments Within a Date Range

```
mysql> select * from payments where paymentdate between '2024-03-31' and '2024-04-6';
```

PaymentID	CourierID	LocationID	Amount	PaymentDate
8	8	8	12.00	2024-04-06
9	9	9	18.00	2024-04-05
10	10	10	8.00	2024-04-04

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

```
mysql> select u.*,c.courierid,c.status,c.TrackingNumber,c.DeliveryDate from users u left join couriers c on u.name = c.senderName;
```

UserID	Name	Email	Password	ContactNumber	Address	courierId	status	TrackingNumber	DeliveryDate
1	John Doe	john@example.com	password123	123-456-7890	123 Main St	NULL	NULL	NULL	NULL
2	Jane Smith	jane@example.com	password456	987-654-3210	456 Elm St	NULL	NULL	NULL	NULL
3	Emily Brown	emily@example.com	password789	111-222-3333	789 Oak St	NULL	NULL	NULL	NULL
4	Michael Johnson	michael@example.com	passwordABC	444-555-6666	456 Maple St	NULL	NULL	NULL	NULL
5	Sophia Wilson	sophia@example.com	passwordDEF	777-888-9999	101 Pine St	NULL	NULL	NULL	NULL
6	Oliver Taylor	oliver@example.com	passwordGHI	123-456-7890	321 Cedar St	NULL	NULL	NULL	NULL
7	Emma Davis	emma@example.com	passwordJKL	333-444-5555	222 Walnut St	NULL	NULL	NULL	NULL
8	William Martinez	william@example.com	passwordMNO	666-777-8888	555 Chestnut St	NULL	NULL	NULL	NULL
9	Isabella Anderson	isabella@example.com	passwordPQR	999-000-1111	888 Oak St	NULL	NULL	NULL	NULL
10	Sophie Thompson	sophie@example.com	passwordSTU	222-333-4444	777 Maple St	NULL	NULL	NULL	NULL

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

```
mysql> select * from users cross join courierservices;
```

UserID	Name	Email	Password	ContactNumber	Address	ServiceID	ServiceName	Cost
10	Sophie Thompson	sophie@example.com	passwordSTU	222-333-4444	777 Maple St	1	Standard Delivery	10.00
9	Isabella Anderson	isabella@example.com	passwordPQR	999-000-1111	888 Oak St	1	Standard Delivery	10.00
8	William Martinez	william@example.com	passwordMNO	666-777-8888	555 Chestnut St	1	Standard Delivery	10.00
7	Emma Davis	emma@example.com	passwordJKL	333-444-5555	222 Walnut St	1	Standard Delivery	10.00
6	Oliver Taylor	oliver@example.com	passwordGHI	123-456-7890	321 Cedar St	1	Standard Delivery	10.00
5	Sophia Wilson	sophia@example.com	passwordDEF	777-888-9999	101 Pine St	1	Standard Delivery	10.00
4	Michael Johnson	michael@example.com	passwordABC	444-555-6666	456 Maple St	1	Standard Delivery	10.00
3	Emily Brown	emily@example.com	password789	111-222-3333	789 Oak St	1	Standard Delivery	10.00
2	Jane Smith	jane@example.com	password456	987-654-3210	456 Elm St	1	Standard Delivery	10.00
1	John Doe	john@example.com	password123	123-456-7890	123 Main St	1	Standard Delivery	10.00
10	Sophie Thompson	sophie@example.com	passwordSTU	222-333-4444	777 Maple St	2	Express Delivery	20.00
9	Isabella Anderson	isabella@example.com	passwordPQR	999-000-1111	888 Oak St	2	Express Delivery	20.00
8	William Martinez	william@example.com	passwordMNO	666-777-8888	555 Chestnut St	2	Express Delivery	20.00
7	Emma Davis	emma@example.com	passwordJKL	333-444-5555	222 Walnut St	2	Express Delivery	20.00
6	Oliver Taylor	oliver@example.com	passwordGHI	123-456-7890	321 Cedar St	2	Express Delivery	20.00
5	Sophia Wilson	sophia@example.com	passwordDEF	777-888-9999	101 Pine St	2	Express Delivery	20.00
4	Michael Johnson	michael@example.com	passwordABC	444-555-6666	456 Maple St	2	Express Delivery	20.00
3	Emily Brown	emily@example.com	password789	111-222-3333	789 Oak St	2	Express Delivery	20.00
2	Jane Smith	jane@example.com	password456	987-654-3210	456 Elm St	2	Express Delivery	20.00
1	John Doe	john@example.com	password123	123-456-7890	123 Main St	2	Express Delivery	20.00
10	Sophie Thompson	sophie@example.com	passwordSTU	222-333-4444	777 Maple St	3	Same Day Delivery	30.00
9	Isabella Anderson	isabella@example.com	passwordPQR	999-000-1111	888 Oak St	3	Same Day Delivery	30.00
8	William Martinez	william@example.com	passwordMNO	666-777-8888	555 Chestnut St	3	Same Day Delivery	30.00
7	Emma Davis	emma@example.com	passwordJKL	333-444-5555	222 Walnut St	3	Same Day Delivery	30.00
6	Oliver Taylor	oliver@example.com	passwordGHI	123-456-7890	321 Cedar St	3	Same Day Delivery	30.00
5	Sophia Wilson	sophia@example.com	passwordDEF	777-888-9999	101 Pine St	3	Same Day Delivery	30.00

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

mysql> select * from employees cross join locations;								
EmployeeID	Name	Email	ContactNumber	Role	Salary	LocationID	LocationName	Address
10	Jack Evans	jack@example.com	777-999-1111	Security Officer	30000.00	1	Warehouse A	789 Warehouse Ave
9	Ivy Adams	ivy@example.com	111-333-5555	Logistics Coordinator	42000.00	1	Warehouse A	789 Warehouse Ave
8	Henry Thomas	henry@example.com	555-777-9999	Supervisor	48000.00	1	Warehouse A	789 Warehouse Ave
7	Grace Martinez	grace@example.com	987-654-3210	Driver	32000.00	1	Warehouse A	789 Warehouse Ave
6	Frank Wilson	frank@example.com	321-654-9876	Warehouse Manager	55000.00	1	Warehouse A	789 Warehouse Ave
5	Ella Taylor	ella@example.com	123-456-7890	Customer Service	35000.00	1	Warehouse A	789 Warehouse Ave
4	David Lee	david@example.com	999-000-1111	Accountant	45000.00	1	Warehouse A	789 Warehouse Ave
3	Charlie Brown	charlie@example.com	777-888-9999	Dispatcher	40000.00	1	Warehouse A	789 Warehouse Ave
2	Bob Smith	bob@example.com	444-555-6666	Courier	30000.00	1	Warehouse A	789 Warehouse Ave
1	Alice Johnson	alice@example.com	111-222-3333	Manager	50000.00	1	Warehouse A	789 Warehouse Ave
10	Jack Evans	jack@example.com	777-999-1111	Security Officer	30000.00	2	Warehouse B	101 Warehouse St
9	Ivy Adams	ivy@example.com	111-333-5555	Logistics Coordinator	42000.00	2	Warehouse B	101 Warehouse St
8	Henry Thomas	henry@example.com	555-777-9999	Supervisor	48000.00	2	Warehouse B	101 Warehouse St
7	Grace Martinez	grace@example.com	987-654-3210	Driver	32000.00	2	Warehouse B	101 Warehouse St
6	Frank Wilson	frank@example.com	321-654-9876	Warehouse Manager	55000.00	2	Warehouse B	101 Warehouse St
5	Ella Taylor	ella@example.com	123-456-7890	Customer Service	35000.00	2	Warehouse B	101 Warehouse St
4	David Lee	david@example.com	999-000-1111	Accountant	45000.00	2	Warehouse B	101 Warehouse St
3	Charlie Brown	charlie@example.com	777-888-9999	Dispatcher	40000.00	2	Warehouse B	101 Warehouse St
2	Bob Smith	bob@example.com	444-555-6666	Courier	30000.00	2	Warehouse B	101 Warehouse St
1	Alice Johnson	alice@example.com	111-222-3333	Manager	50000.00	2	Warehouse B	101 Warehouse St
10	Jack Evans	jack@example.com	777-999-1111	Security Officer	30000.00	3	Warehouse C	555 Warehouse St
9	Ivy Adams	ivy@example.com	111-333-5555	Logistics Coordinator	42000.00	3	Warehouse C	555 Warehouse St
8	Henry Thomas	henry@example.com	555-777-9999	Supervisor	48000.00	3	Warehouse C	555 Warehouse St
7	Grace Martinez	grace@example.com	987-654-3210	Driver	32000.00	3	Warehouse C	555 Warehouse St
6	Frank Wilson	frank@example.com	321-654-9876	Warehouse Manager	55000.00	3	Warehouse C	555 Warehouse St
5	Ella Taylor	ella@example.com	123-456-7890	Customer Service	35000.00	3	Warehouse C	555 Warehouse St
4	David Lee	david@example.com	999-000-1111	Accountant	45000.00	3	Warehouse C	555 Warehouse St
3	Charlie Brown	charlie@example.com	777-888-9999	Dispatcher	40000.00	3	Warehouse C	555 Warehouse St
2	Bob Smith	bob@example.com	444-555-6666	Courier	30000.00	3	Warehouse C	555 Warehouse St
1	Alice Johnson	alice@example.com	111-222-3333	Manager	50000.00	3	Warehouse C	555 Warehouse St
10	Jack Evans	jack@example.com	777-999-1111	Security Officer	30000.00	4	Warehouse D	777 Warehouse Ave
9	Ivy Adams	ivy@example.com	111-333-5555	Logistics Coordinator	42000.00	4	Warehouse D	777 Warehouse Ave
8	Henry Thomas	henry@example.com	555-777-9999	Supervisor	48000.00	4	Warehouse D	777 Warehouse Ave

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

mysql> Select * from employees cross join locations;								
EmployeeID	Name	Email	ContactNumber	Role	Salary	LocationID	LocationName	Address
10	Jack Evans	jack@example.com	777-999-1111	Security Officer	30000.00	1	Warehouse A	789 Warehouse Ave
9	Ivy Adams	ivy@example.com	111-333-5555	Logistics Coordinator	42000.00	1	Warehouse A	789 Warehouse Ave
8	Henry Thomas	henry@example.com	555-777-9999	Supervisor	48000.00	1	Warehouse A	789 Warehouse Ave
7	Grace Martinez	grace@example.com	987-654-3210	Driver	32000.00	1	Warehouse A	789 Warehouse Ave
6	Frank Wilson	frank@example.com	321-654-9876	Warehouse Manager	55000.00	1	Warehouse A	789 Warehouse Ave
5	Ella Taylor	ella@example.com	123-456-7890	Customer Service	35000.00	1	Warehouse A	789 Warehouse Ave
4	David Lee	david@example.com	999-000-1111	Accountant	45000.00	1	Warehouse A	789 Warehouse Ave
3	Charlie Brown	charlie@example.com	777-888-9999	Dispatcher	40000.00	1	Warehouse A	789 Warehouse Ave
2	Bob Smith	bob@example.com	444-555-6666	Courier	30000.00	1	Warehouse A	789 Warehouse Ave
1	Alice Johnson	alice@example.com	111-222-3333	Manager	50000.00	1	Warehouse A	789 Warehouse Ave
10	Jack Evans	jack@example.com	777-999-1111	Security Officer	30000.00	2	Warehouse B	101 Warehouse St
9	Ivy Adams	ivy@example.com	111-333-5555	Logistics Coordinator	42000.00	2	Warehouse B	101 Warehouse St
8	Henry Thomas	henry@example.com	555-777-9999	Supervisor	48000.00	2	Warehouse B	101 Warehouse St
7	Grace Martinez	grace@example.com	987-654-3210	Driver	32000.00	2	Warehouse B	101 Warehouse St
6	Frank Wilson	frank@example.com	321-654-9876	Warehouse Manager	55000.00	2	Warehouse B	101 Warehouse St
5	Ella Taylor	ella@example.com	123-456-7890	Customer Service	35000.00	2	Warehouse B	101 Warehouse St
4	David Lee	david@example.com	999-000-1111	Accountant	45000.00	2	Warehouse B	101 Warehouse St
3	Charlie Brown	charlie@example.com	777-888-9999	Dispatcher	40000.00	2	Warehouse B	101 Warehouse St
2	Bob Smith	bob@example.com	444-555-6666	Courier	30000.00	2	Warehouse B	101 Warehouse St
1	Alice Johnson	alice@example.com	111-222-3333	Manager	50000.00	2	Warehouse B	101 Warehouse St
10	Jack Evans	jack@example.com	777-999-1111	Security Officer	30000.00	3	Warehouse C	555 Warehouse St
9	Ivy Adams	ivy@example.com	111-333-5555	Logistics Coordinator	42000.00	3	Warehouse C	555 Warehouse St
8	Henry Thomas	henry@example.com	555-777-9999	Supervisor	48000.00	3	Warehouse C	555 Warehouse St
7	Grace Martinez	grace@example.com	987-654-3210	Driver	32000.00	3	Warehouse C	555 Warehouse St
6	Frank Wilson	frank@example.com	321-654-9876	Warehouse Manager	55000.00	3	Warehouse C	555 Warehouse St
5	Ella Taylor	ella@example.com	123-456-7890	Customer Service	35000.00	3	Warehouse C	555 Warehouse St
4	David Lee	david@example.com	999-000-1111	Accountant	45000.00	3	Warehouse C	555 Warehouse St
3	Charlie Brown	charlie@example.com	777-888-9999	Dispatcher	40000.00	3	Warehouse C	555 Warehouse St
2	Bob Smith	bob@example.com	444-555-6666	Courier	30000.00	3	Warehouse C	555 Warehouse St
1	Alice Johnson	alice@example.com	111-222-3333	Manager	50000.00	3	Warehouse C	555 Warehouse St
10	Jack Evans	jack@example.com	777-999-1111	Security Officer	30000.00	4	Warehouse D	777 Warehouse Ave
9	Ivy Adams	ivy@example.com	111-333-5555	Logistics Coordinator	42000.00	4	Warehouse D	777 Warehouse Ave
8	Henry Thomas	henry@example.com	555-777-9999	Supervisor	48000.00	4	Warehouse D	777 Warehouse Ave
7	Grace Martinez	grace@example.com	987-654-3210	Driver	32000.00	4	Warehouse D	777 Warehouse Ave
6	Frank Wilson	frank@example.com	321-654-9876	Warehouse Manager	55000.00	4	Warehouse D	777 Warehouse Ave
5	Ella Taylor	ella@example.com	123-456-7890	Customer Service	35000.00	4	Warehouse D	777 Warehouse Ave
4	David Lee	david@example.com	999-000-1111	Accountant	45000.00	4	Warehouse D	777 Warehouse Ave
3	Charlie Brown	charlie@example.com	777-888-9999	Dispatcher	40000.00	4	Warehouse D	777 Warehouse Ave
2	Bob Smith	bob@example.com	444-555-6666	Courier	30000.00	4	Warehouse D	777 Warehouse Ave
1	Alice Johnson	alice@example.com	111-222-3333	Manager	50000.00	4	Warehouse D	777 Warehouse Ave
10	Jack Evans	jack@example.com	777-999-1111	Security Officer	30000.00	5	Office Headquarters	123 Office St
9	Ivy Adams	ivy@example.com	111-333-5555	Logistics Coordinator	42000.00	5	Office Headquarters	123 Office St
8	Henry Thomas	henry@example.com	555-777-9999	Supervisor	48000.00	5	Office Headquarters	123 Office St

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

```
mysql> select * from couriers left join users on couriers.sendername=users.name;
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	UserID	Name	Email	Password	ContactNumber	Address
1	Sender A	123 Sender St	Receiver X	456 Receiver St	3.50	In Transit	TRACK123	2024-04-12	NULL	NULL	NULL	NULL	NULL	NULL
2	Sender B	789 Sender St	Receiver Y	101 Receiver St	2.20	Delivered	TRACK456	2024-04-10	NULL	NULL	NULL	NULL	NULL	NULL
3	Sender C	321 Sender St	Receiver Z	789 Receiver St	4.00	Pending	TRACK789	2024-04-15	NULL	NULL	NULL	NULL	NULL	NULL
4	Sender D	555 Sender St	Receiver W	888 Receiver St	1.80	In Transit	TRACKXYZ1	2024-04-11	NULL	NULL	NULL	NULL	NULL	NULL
5	Sender E	999 Sender St	Receiver V	222 Receiver St	3.70	Delivered	TRACKLMN	2024-04-09	NULL	NULL	NULL	NULL	NULL	NULL
6	Sender F	111 Sender St	Receiver U	333 Receiver St	2.50	Pending	TRACKOPQ	2024-04-14	NULL	NULL	NULL	NULL	NULL	NULL
7	Sender G	777 Sender St	Receiver T	444 Receiver St	5.20	In Transit	TRACKRST	2024-04-13	NULL	NULL	NULL	NULL	NULL	NULL
8	Sender H	888 Sender St	Receiver S	555 Receiver St	1.90	Delivered	TRACKUVW	2024-04-08	NULL	NULL	NULL	NULL	NULL	NULL
9	Sender I	222 Sender St	Receiver R	666 Receiver St	3.30	Pending	TRACKXYZ2	2024-04-16	NULL	NULL	NULL	NULL	NULL	NULL
10	Sender J	444 Sender St	Receiver Q	777 Receiver St	2.10	In Transit	TRACK1234	2024-04-17	NULL	NULL	NULL	NULL	NULL	NULL

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

```
mysql> select * from couriers left join users on couriers.receivername=users.name;
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	UserID	Name	Email	Password	ContactNumber	Address
1	Sender A	123 Sender St	Receiver X	456 Receiver St	3.50	In Transit	TRACK123	2024-04-12	NULL	NULL	NULL	NULL	NULL	NULL
2	Sender B	789 Sender St	Receiver Y	101 Receiver St	2.20	Delivered	TRACK456	2024-04-10	NULL	NULL	NULL	NULL	NULL	NULL
3	Sender C	321 Sender St	Receiver Z	789 Receiver St	4.00	Pending	TRACK789	2024-04-15	NULL	NULL	NULL	NULL	NULL	NULL
4	Sender D	555 Sender St	Receiver W	888 Receiver St	1.80	In Transit	TRACKXYZ1	2024-04-11	NULL	NULL	NULL	NULL	NULL	NULL
5	Sender E	999 Sender St	Receiver V	222 Receiver St	3.70	Delivered	TRACKLMN	2024-04-09	NULL	NULL	NULL	NULL	NULL	NULL
6	Sender F	111 Sender St	Receiver U	333 Receiver St	2.50	Pending	TRACKOPQ	2024-04-14	NULL	NULL	NULL	NULL	NULL	NULL
7	Sender G	777 Sender St	Receiver T	444 Receiver St	5.20	In Transit	TRACKRST	2024-04-13	NULL	NULL	NULL	NULL	NULL	NULL
8	Sender H	888 Sender St	Receiver S	555 Receiver St	1.90	Delivered	TRACKUVW	2024-04-08	NULL	NULL	NULL	NULL	NULL	NULL
9	Sender I	222 Sender St	Receiver R	666 Receiver St	3.30	Pending	TRACKXYZ2	2024-04-16	NULL	NULL	NULL	NULL	NULL	NULL
10	Sender J	444 Sender St	Receiver Q	777 Receiver St	2.10	In Transit	TRACK1234	2024-04-17	NULL	NULL	NULL	NULL	NULL	NULL

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

```
mysql> SELECT l.LocationID, l.LocationName, COALESCE(SUM(p.Amount), 0) AS TotalPayments
-> FROM Locations l
-> LEFT JOIN Payments p ON l.LocationID = p.LocationID
-> GROUP BY l.LocationID, l.LocationName;
```

LocationID	LocationName	TotalPayments
1	Warehouse A	10.00
2	Warehouse B	20.00
3	Warehouse C	30.00
4	Warehouse D	15.00
5	Office Headquarters	10.00
6	Branch Office 1	5.00
7	Branch Office 2	25.00
8	Branch Office 3	12.00
9	Retail Store	18.00
10	Distribution Center	8.00

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

```
mysql> select * from couriers where sendername in (select sendername from couriers group by sendername having count(*) > 1);
Empty set (0.01 sec)
```

44. List all employees who share the same role.

```
mysql> select e1.*, e2.* from employees e1, employees e2 where e1.role=e2.role and e1.employeeid <> e2.employeeid;
Empty set (0.01 sec)
```

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

```
mysql> select * from payments p1 inner join payments p2 on p1.locationid=p2.locationid and p1.paymentid <> p2.paymentid;
Empty set (0.00 sec)
```

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

```
mysql> select * from couriers c1 inner join couriers c2 on c1.senderaddress=c2.senderaddress and c1.courierid <> c2.courierid;
Empty set (0.00 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

```
mysql> select * from couriers where weight > (select avg(weight) from couriers);
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	Sender A	123 Sender St	Receiver X	456 Receiver St	3.50	In Transit	TRACK123	2024-04-12
3	Sender C	321 Sender St	Receiver Z	789 Receiver St	4.00	Pending	TRACK789	2024-04-15
5	Sender E	999 Sender St	Receiver V	222 Receiver St	3.70	Delivered	TRACKLMN	2024-04-09
7	Sender G	777 Sender St	Receiver T	444 Receiver St	5.20	In Transit	TRACKRST	2024-04-13
9	Sender I	222 Sender St	Receiver R	666 Receiver St	3.30	Pending	TRACKXYZ2	2024-04-16

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

```
mysql> select name from employees where salary > (select avg(salary) from employees);
```

name
Alice Johnson
David Lee
Frank Wilson
Henry Thomas
Ivy Adams

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
180.00

52. Find all couriers that have been paid for

```
mysql> select * from couriers c1 where weight > all(select weight from couriers c2 where c2.sendername='john');
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	Sender A	123 Sender St	Receiver X	456 Receiver St	3.50	In Transit	TRACK123	2024-04-12
2	Sender B	789 Sender St	Receiver Y	101 Receiver St	2.20	Delivered	TRACK456	2024-04-10
3	Sender C	321 Sender St	Receiver Z	789 Receiver St	4.00	Pending	TRACK789	2024-04-15
4	Sender D	555 Sender St	Receiver W	888 Receiver St	1.80	In Transit	TRACKXYZ1	2024-04-11
5	Sender E	999 Sender St	Receiver V	222 Receiver St	3.70	Delivered	TRACKLMN	2024-04-09
6	Sender F	111 Sender St	Receiver U	333 Receiver St	2.50	Pending	TRACKOPQ	2024-04-14
7	Sender G	777 Sender St	Receiver T	444 Receiver St	5.20	In Transit	TRACKRST	2024-04-13
8	Sender H	888 Sender St	Receiver S	555 Receiver St	1.90	Delivered	TRACKUVW	2024-04-08
9	Sender I	222 Sender St	Receiver R	666 Receiver St	3.30	Pending	TRACKXYZ2	2024-04-16
10	Sender J	444 Sender St	Receiver Q	777 Receiver St	2.10	In Transit	TRACK1234	2024-04-17

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

```
mysql> SELECT LocationID
      -> FROM Payments
      -> WHERE Amount = (SELECT MAX(Amount) FROM Payments);
+-----+
| LocationID |
+-----+
|          3 |
+-----+
```

54. Find all couriers whose weight is greater than the weight of all couriers sent by a specific sender

(e.g., 'SenderName'):

```
mysql> select * from couriers c1 where weight > all (select weight from cour
iers c2 where c2.sendername = 'john');
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| CourierID | SenderName | SenderAddress | ReceiverName | ReceiverAddress | Weight | Status | TrackingNumber | DeliveryDate |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | Sender A | 123 Sender St | Receiver X | 456 Receiver St | 3.50 | In Transit | TRACK123 | 2024-04-12 |
| 2 | Sender B | 789 Sender St | Receiver Y | 101 Receiver St | 2.20 | Delivered | TRACK456 | 2024-04-10 |
| 3 | Sender C | 321 Sender St | Receiver Z | 789 Receiver St | 4.00 | Pending | TRACK789 | 2024-04-15 |
| 4 | Sender D | 555 Sender St | Receiver W | 888 Receiver St | 1.80 | In Transit | TRACKXYZ1 | 2024-04-11 |
| 5 | Sender E | 999 Sender St | Receiver V | 222 Receiver St | 3.70 | Delivered | TRACKLMN | 2024-04-09 |
| 6 | Sender F | 111 Sender St | Receiver U | 333 Receiver St | 2.50 | Pending | TRACKOPQ | 2024-04-14 |
| 7 | Sender G | 777 Sender St | Receiver T | 444 Receiver St | 5.20 | In Transit | TRACKRST | 2024-04-13 |
| 8 | Sender H | 888 Sender St | Receiver S | 555 Receiver St | 1.90 | Delivered | TRACKUVW | 2024-04-08 |
| 9 | Sender I | 222 Sender St | Receiver R | 666 Receiver St | 3.30 | Pending | TRACKXYZ2 | 2024-04-16 |
| 10 | Sender J | 444 Sender St | Receiver Q | 777 Receiver St | 2.10 | In Transit | TRACK1234 | 2024-04-17 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
```