

Assignment 2: Courier Management System**Task 2: Select,Where**

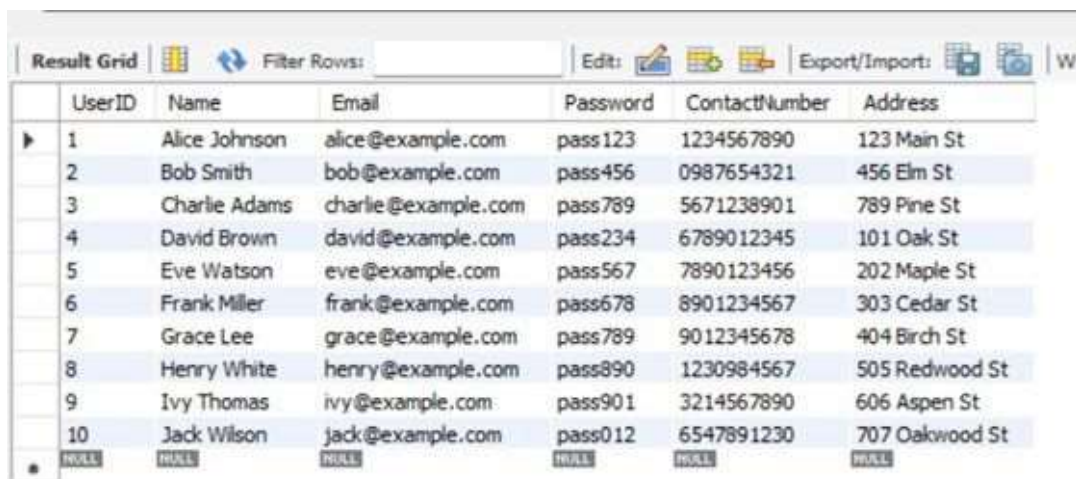
Solve the following queries in the Schema that you have created above

1. List all customers:
2. List all orders for a specific customer:
3. List all couriers:
4. List all packages for a specific order:
5. List all deliveries for a specific courier:
6. List all undelivered packages:
7. List all packages that are scheduled for delivery today:
8. List all packages with a specific status:
9. Calculate the total number of packages for each courier.
10. Find the average delivery time for each courier
11. List all packages with a specific weight range:
12. Retrieve employees whose names contain ' Jessica Lee '
13. Retrieve all courier records with payments greater than \$50.

Answers:**1. List all customers:**

-- Retrieve all customer details from the User table

```
SELECT * FROM User;
```



	UserID	Name	Email	Password	ContactNumber	Address
▶	1	Alice Johnson	alice@example.com	pass123	1234567890	123 Main St
	2	Bob Smith	bob@example.com	pass456	0987654321	456 Elm St
	3	Charlie Adams	charlie@example.com	pass789	5671238901	789 Pine St
	4	David Brown	david@example.com	pass234	6789012345	101 Oak St
	5	Eve Watson	eve@example.com	pass567	7890123456	202 Maple St
	6	Frank Miller	frank@example.com	pass678	8901234567	303 Cedar St
	7	Grace Lee	grace@example.com	pass789	9012345678	404 Birch St
	8	Henry White	henry@example.com	pass890	1230984567	505 Redwood St
	9	Ivy Thomas	ivy@example.com	pass901	3214567890	606 Aspen St
	10	Jack Wilson	jack@example.com	pass012	6547891230	707 Oakwood St
•	NULL	NULL	NULL	NULL	NULL	NULL

2. List all orders for a specific customer:

-- Retrieve all orders placed by a specific customer (UserID = 1)

```
SELECT * FROM Courier WHERE UserID = 1;
```

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CourierID	UserID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	1	Alice Johnson	123 Main St	David Brown	789 Oak St	2.50	In Transit	TRK12345	2025-03-30

3. List all couriers:

-- Retrieve all courier (shipment) details

```
SELECT * FROM Courier;
```

CourierID	UserID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	1	Alice Johnson	123 Main St	David Brown	789 Oak St	2.50	In Transit	TRK12345	2025-03-30
2	2	Bob Smith	456 Elm St	Eve Adams	101 Pine St	1.20	Delivered	TRK67890	2025-03-28
3	3	Charlie Adams	789 Pine St	Frank Miller	303 Cedar St	3.00	Pending	TRK13579	2025-04-01
4	4	David Brown	101 Oak St	Grace Lee	404 Birch St	4.50	Shipped	TRK24680	2025-04-02
5	5	Eve Watson	202 Maple St	Henry White	505 Redwood St	2.80	In Transit	TRK11223	2025-04-05
6	6	Frank Miller	303 Cedar St	Ivy Thomas	606 Aspen St	1.50	Delivered	TRK33445	2025-04-03
7	7	Grace Lee	404 Birch St	Jack Wilson	707 Oakwood St	2.00	Pending	TRK55667	2025-04-07
8	8	Henry White	505 Redwood St	Alice Johnson	123 Main St	3.70	Shipped	TRK77889	2025-04-06
9	9	Ivy Thomas	606 Aspen St	Bob Smith	456 Elm St	2.30	In Transit	TRK99001	2025-04-08
10	10	Jack Wilson	707 Oakwood St	Charlie Adams	789 Pine St	1.80	Delivered	TRK11234	2025-04-09

4. List all packages for a specific order:

-- Retrieve package details for a specific order (CourierID = 1)

```
SELECT * FROM Courier WHERE CourierID = 1;
```

CourierID	UserID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	1	Alice Johnson	123 Main St	David Brown	789 Oak St	2.50	In Transit	TRK12345	2025-03-30

5. List all deliveries for a specific courier:

-- Retrieve details of a courier using its tracking number

```
SELECT * FROM Courier WHERE TrackingNumber = 'TRK12345';
```

CourierID	UserID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	1	Alice Johnson	123 Main St	David Brown	789 Oak St	2.50	In Transit	TRK12345	2025-03-30

6. List all undelivered packages:

-- Retrieve all packages that have NOT been delivered yet

SELECT * FROM Courier WHERE Status <> 'Delivered';

	CourierID	UserID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
▶	1	1	Alice Johnson	123 Main St	David Brown	789 Oak St	2.50	In Transit	TRK12345	2025-03-30
	3	3	Charlie Adams	789 Pine St	Frank Miller	303 Cedar St	3.00	Pending	TRK13579	2025-04-01
	4	4	David Brown	101 Oak St	Grace Lee	404 Birch St	4.50	Shipped	TRK24680	2025-04-02
	5	5	Eve Watson	202 Maple St	Henry White	505 Redwood St	2.80	In Transit	TRK11223	2025-04-05
	7	7	Grace Lee	404 Birch St	Jack Wilson	707 Oakwood St	2.00	Pending	TRK55667	2025-04-07
	8	8	Henry White	505 Redwood St	Alice Johnson	123 Main St	3.70	Shipped	TRK77889	2025-04-06
	9	9	Ivy Thomas	606 Aspen St	Bob Smith	456 Elm St	2.30	In Transit	TRK99001	2025-04-08
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

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

-- Retrieve all packages scheduled for delivery today

SELECT * FROM Courier WHERE DeliveryDate = CURDATE();

	CourierID	UserID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

8. List all packages with a specific status:

-- Retrieve all packages with a specific delivery status (e.g., 'In Transit')

SELECT * FROM Courier WHERE Status = 'In Transit';

	CourierID	UserID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
▶	1	1	Alice Johnson	123 Main St	David Brown	789 Oak St	2.50	In Transit	TRK12345	2025-03-30
	5	5	Eve Watson	202 Maple St	Henry White	505 Redwood St	2.80	In Transit	TRK11223	2025-04-05
	9	9	Ivy Thomas	606 Aspen St	Bob Smith	456 Elm St	2.30	In Transit	TRK99001	2025-04-08
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

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

-- Count the total number of orders placed by each customer (UserID)

SELECT UserID, COUNT(CourierID) AS Total_Packages

FROM Courier

GROUP BY UserID;

	UserID	Total_Packages
▶	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

-- Calculate the average delivery time for each package

```
SELECT CourierID, AVG(DATEDIFF(DeliveryDate, NOW())) AS
Avg_Delivery_Time
```

```
FROM Courier
```

```
GROUP BY CourierID;
```

Result Grid		 Filter Rows:
	CourierID	Avg_Delivery_Time
▶	1	3.0000
	2	1.0000
	3	5.0000
	4	6.0000
	5	9.0000
	6	7.0000
	7	11.0000
	8	10.0000
	9	12.0000
	10	13.0000

11. List all packages with a specific weight range:

-- Retrieve all packages with a weight between 1.5kg and 3.0kg

```
SELECT * FROM Courier WHERE Weight BETWEEN 1.5 AND 3.0;
```

Result Grid

Filter Rows:

Edit

Export/Import

Wrap Cell Content:

	CourierID	UserID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
▶	1	1	Alice Johnson	123 Main St	David Brown	789 Oak St	2.50	In Transit	TRK12345	2025-03-30
	3	3	Charlie Adams	789 Pine St	Frank Miller	303 Cedar St	3.00	Pending	TRK13579	2025-04-01
	5	5	Eve Watson	202 Maple St	Henry White	505 Redwood St	2.80	In Transit	TRK11223	2025-04-05
	6	6	Frank Miller	303 Cedar St	Ivy Thomas	606 Aspen St	1.50	Delivered	TRK33445	2025-04-03
	7	7	Grace Lee	404 Birch St	Jack Wilson	707 Oakwood St	2.00	Pending	TRK55667	2025-04-07
	9	9	Ivy Thomas	606 Aspen St	Bob Smith	456 Elm St	2.30	In Transit	TRK99001	2025-04-08
	10	10	Jack Wilson	707 Oakwood St	Charlie Adams	789 Pine St	1.80	Delivered	TRK11234	2025-04-09

12. Retrieve employees whose names contain Jessica Lee '

-- Retrieve all employees whose names contain 'John' anywhere

```
SELECT * FROM Employee WHERE Name LIKE '%Jessica Lee%';
```

Result Grid		Filter Rows:	Edit:	Export/Import:	Wrap
EmployeeID	Name	Email	ContactNumber	Role	Salary
4	Jessica Lee	jessica.lee@example.com	4455667788	Courier Handler	42000.00
NULL	NULL	NULL	NULL	NULL	NULL

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

-- Retrieve all courier records where payment amount is greater than \$50

```

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

```

Result Grid										
Filter Rows:										
Edit:										
Export/Import:										
Wrap Cell Contents:										
	CourierID	UserID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
▶	2	2	Bob Smith	456 Elm St	Eve Adams	101 Pine St	1.20	Delivered	TRK67890	2025-03-28
	3	3	Charlie Adams	789 Pine St	Frank Miller	303 Cedar St	3.00	Pending	TRK13579	2025-04-01
	4	4	David Brown	101 Oak St	Grace Lee	404 Birch St	4.50	Shipped	TRK24680	2025-04-02
	5	5	Eve Watson	202 Maple St	Henry White	505 Redwood St	2.80	In Transit	TRK11223	2025-04-05
	6	6	Frank Miller	303 Cedar St	Ivy Thomas	606 Aspen St	1.50	Delivered	TRK33445	2025-04-03
	7	7	Grace Lee	404 Birch St	Jack Wilson	707 Oakwood St	2.00	Pending	TRK55667	2025-04-07
	8	8	Henry White	505 Redwood St	Alice Johnson	123 Main St	3.70	Shipped	TRK77889	2025-04-06
	9	9	Ivy Thomas	606 Aspen St	Bob Smith	456 Elm St	2.30	In Transit	TRK99001	2025-04-08
	10	10	Jack Wilson	707 Oakwood St	Charlie Adams	789 Pine St	1.80	Delivered	TRK11234	2025-04-09
•	Hide	Hide	Hide	Hide	Hide	Hide	Hide	Hide	Hide	Hide