

ASSIGNMENT 4- COURIER MANAGEMENT SYSTEM

TASK 2

(Executed on Mysql Workbench)

All the tables with the data on it

1. Select * from user;

	UserID	Name	Email	Password	ContactNumber	Address
▶	1	John Doe	john.doe@example.com	Pass@123	9876543210	123 Main St, New York
	2	Jane Smith	jane.smith@example.com	Jane#456	9876543220	456 Oak St, Los Angeles
	3	Alice Brown	alice.brown@example.com	Alice@789	9876543230	789 Pine St, Chicago
	4	Bob Johnson	bob.johnson@example.com	Bob@101	9876543240	101 Maple St, Houston
	5	Emily Davis	emily.davis@example.com	Emily#202	9876543250	202 Cedar St, Miami
	6	Michael Wilson	michael.wilson@example.com	Mike@303	9876543260	303 Elm St, Seattle
•	NULL	NULL	NULL	NULL	NULL	NULL

2. Select * from courier;

Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:									
	CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
▶	1	John Doe	123 Main St, NY	Jane Smith	456 Oak St, LA	5.50	In Transit	TRK123456	2025-03-30
	2	Alice Brown	789 Pine St, Chicago	Bob Johnson	101 Maple St, Houston	2.75	Delivered	TRK234567	2025-03-25
	3	Emily Davis	202 Cedar St, Miami	Michael Wilson	303 Elm St, Seattle	1.90	Pending	TRK345678	2025-04-01
	4	Jane Smith	456 Oak St, LA	John Doe	123 Main St, NY	4.20	In Transit	TRK456789	2025-03-29
	5	Michael Wilson	303 Elm St, Seattle	Emily Davis	202 Cedar St, Miami	3.60	Out for Delivery	TRK567890	2025-03-31
	6	Bob Johnson	101 Maple St, Houston	Alice Brown	789 Pine St, Chicago	6.80	Delivered	TRK678901	2025-03-27
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

3. Select * from courierservices;

Result Grid Filter Rows: Edit:			
	ServiceID	ServiceName	Cost
▶	1	Standard Delivery	50.00
	2	Express Delivery	100.00
	3	Overnight Delivery	150.00
	4	International Shipping	200.00
	5	Same-Day Delivery	120.00
	6	Freight Shipping	300.00
•	NULL	NULL	NULL

4. Select * from employee_table;

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	EmployeeID	Name	Email	ContactNumber	Role	Salary
▶	1	David Miller	david.miller@example.com	9876543270	Delivery Driver	35000.00
	2	Sophia Lee	sophia.lee@example.com	9876543280	Warehouse Manager	45000.00
	3	James Anderson	james.anderson@example.com	9876543290	Logistics Coordinator	40000.00
	4	Linda Martinez	linda.martinez@example.com	9876543300	Customer Support	32000.00
	5	Robert Thomas	robert.thomas@example.com	9876543310	Fleet Manager	55000.00
	6	Jessica Wilson	jessica.wilson@example.com	9876543320	Dispatcher	38000.00
✱	NULL	NULL	NULL	NULL	NULL	NULL

5. Select * from location_table;

Result Grid

Filter Rows:

Edit:

Export/

	LocationID	LocationName	Address
▶	1	New York Hub	123 Warehouse Ave, NY
	2	Los Angeles Depot	456 Shipping Lane, LA
	3	Chicago Center	789 Freight St, Chicago
	4	Houston Terminal	101 Cargo Blvd, Houston
	5	Miami Station	202 Express Rd, Miami
	6	Seattle Facility	303 Logistics Dr, Seattle
•	NULL	NULL	NULL

6. Select * from payment_table;

Result Grid

Filter Rows:

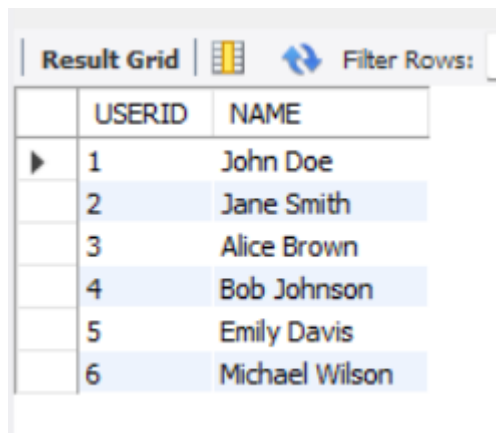
Edit:

	PaymentId	CourierId	LocationId	Amount	PaymentDate
▶	1	1	1	50.00	2025-03-28
	2	2	3	100.00	2025-03-26
	3	3	5	75.00	2025-04-02
	4	4	2	120.00	2025-03-29
	5	5	6	90.00	2025-04-01
	6	6	4	60.00	2025-03-27
✱	NULL	NULL	NULL	NULL	NULL

TASK 2 QUESTIONS:

1. List all customers:

SELECT USERID, NAME FROM USER;

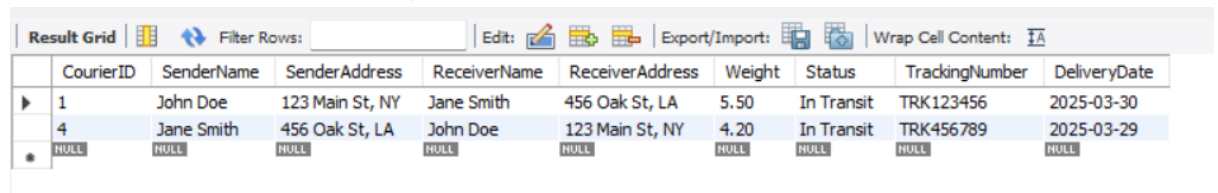


The screenshot shows a 'Result Grid' window with a toolbar at the top containing icons for grid view, filter rows, and a search icon. The grid displays two columns: 'USERID' and 'NAME'. There are six rows of data, each with a blue selection bar on the left.

	USERID	NAME
▶	1	John Doe
	2	Jane Smith
	3	Alice Brown
	4	Bob Johnson
	5	Emily Davis
	6	Michael Wilson

2. List all orders for a specific customer:

SELECT * FROM COURIER WHERE SenderName='John Doe' or ReceiverName='John Doe';

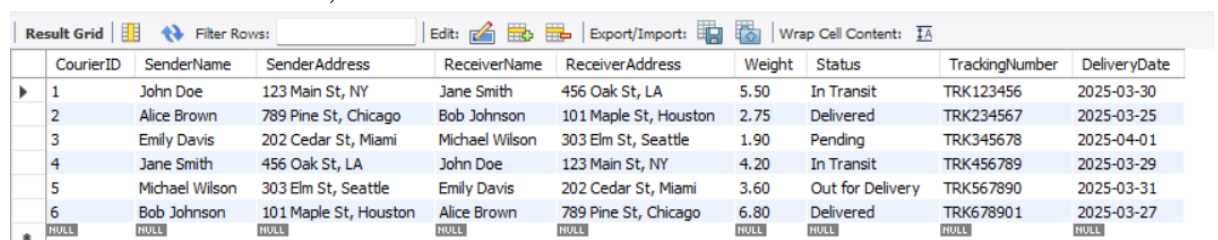


The screenshot shows a 'Result Grid' window with a toolbar at the top. The grid displays ten columns: 'CourierID', 'SenderName', 'SenderAddress', 'ReceiverName', 'ReceiverAddress', 'Weight', 'Status', 'TrackingNumber', and 'DeliveryDate'. There are three rows of data, each with a blue selection bar on the left. The first two rows have data, and the third row is a summary row with 'NULL' values.

	CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
▶	1	John Doe	123 Main St, NY	Jane Smith	456 Oak St, LA	5.50	In Transit	TRK123456	2025-03-30
	4	Jane Smith	456 Oak St, LA	John Doe	123 Main St, NY	4.20	In Transit	TRK456789	2025-03-29
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

3. List all couriers:

Select * from courier;



The screenshot shows a 'Result Grid' window with a toolbar at the top. The grid displays ten columns: 'CourierID', 'SenderName', 'SenderAddress', 'ReceiverName', 'ReceiverAddress', 'Weight', 'Status', 'TrackingNumber', and 'DeliveryDate'. There are six rows of data, each with a blue selection bar on the left. The first five rows have data, and the sixth row is a summary row with 'NULL' values.

	CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
▶	1	John Doe	123 Main St, NY	Jane Smith	456 Oak St, LA	5.50	In Transit	TRK123456	2025-03-30
	2	Alice Brown	789 Pine St, Chicago	Bob Johnson	101 Maple St, Houston	2.75	Delivered	TRK234567	2025-03-25
	3	Emily Davis	202 Cedar St, Miami	Michael Wilson	303 Elm St, Seattle	1.90	Pending	TRK345678	2025-04-01
	4	Jane Smith	456 Oak St, LA	John Doe	123 Main St, NY	4.20	In Transit	TRK456789	2025-03-29
	5	Michael Wilson	303 Elm St, Seattle	Emily Davis	202 Cedar St, Miami	3.60	Out for Delivery	TRK567890	2025-03-31
	6	Bob Johnson	101 Maple St, Houston	Alice Brown	789 Pine St, Chicago	6.80	Delivered	TRK678901	2025-03-27
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

4. List all packages for a specific order:

SELECT CourierId, weight, deliverydate, trackingnumber from courier;

8. List all packages with a specific status:

Specific status means we can either display the data with status In Transit or Out for Delivery or Delivered. I am randomly choosing In Transit.

Select * from COURIER WHERE Status='In Transit';

Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:									
	CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
▶	1	John Doe	123 Main St, NY	Jane Smith	456 Oak St, LA	5.50	In Transit	TRK123456	2025-03-30
	4	Jane Smith	456 Oak St, LA	John Doe	123 Main St, NY	4.20	In Transit	TRK456789	2025-03-29
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

9. Calculate the total number of packages for each courier

SELECT CourierID, COUNT(*) AS TotalPackages FROM courier
GROUP BY CourierId;

Result Grid Filter Rows:		
	CourierID	TotalPackages
▶	1	1
	2	1
	3	1
	4	1
	5	1
	6	1

To display how many packages each sender has sent:

SELECT SenderName, COUNT(*) AS TotalPackages From courier
Group By SenderName;

Result Grid Filter Rows:		
	SenderName	TotalPackages
▶	John Doe	1
	Alice Brown	1
	Emily Davis	1
	Jane Smith	1
	Michael Wilson	1
	Bob Johnson	1

10. Find the average delivery time for each courier

SELECT c.CourierId,AVG(DATEDIFF(c.DeliveryDate,p.PaymentDate))
as Average_Delivery_Time from courier c INNER JOIN payment_table p
where c.CourierId=p.CourierId Group by c.CourierId; (0 means same day
delivery)

	CourierId	Average_Delivery_Time
▶	1	0.0000
	2	1.0000
	3	0.0000
	4	1.0000
	5	3.0000
	6	2.0000
	7	0.0000

11. List all packages with a specific weight range:

Select * from courier where weight>3.00;

	CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
▶	1	John Doe	123 Main St, NY	Jane Smith	456 Oak St, LA	5.50	In Transit	TRK123456	2025-03-30
	4	Jane Smith	456 Oak St, LA	John Doe	123 Main St, NY	4.20	In Transit	TRK456789	2025-03-29
	5	Michael Wilson	303 Elm St, Seattle	Emily Davis	202 Cedar St, Miami	3.60	Out for Delivery	TRK567890	2025-03-31
	6	Bob Johnson	101 Maple St, Houston	Alice Brown	789 Pine St, Chicago	6.80	Delivered	TRK678901	2025-03-27
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

12. Retrieve employees whose names contain 'es'

SELECT * FROM employee_table WHERE Name LIKE '%es' OR
Name LIKE 'es%' OR Name LIKE '%es%';

	EmployeeID	Name	Email	ContactNumber	Role	Salary
▶	3	James Anderson	james.anderson@example.com	9876543290	Logistics Coordinator	40000.00
	6	Jessica Wilson	jessica.wilson@example.com	9876543320	Dispatcher	38000.00
•	NULL	NULL	NULL	NULL	NULL	NULL

13. Retrieve all courier records with payments greater than Rs.50.

SELECT * FROM payment_table where amount>50;

Result Grid					
Filter Rows:					
	PaymentId	CourierId	LocationId	Amount	PaymentDate
▶	2	2	3	100.00	2025-03-26
	3	3	5	75.00	2025-04-02
	4	4	2	120.00	2025-03-29
	5	5	6	90.00	2025-04-01
	6	6	4	60.00	2025-03-27
✱	NULL	NULL	NULL	NULL	NULL