**GROUP MEMBERS: ANUSHAH SALMAN(BAI-23S-015), ZOHA HASSAN(BAI-23S-057), FAIZAN FARAZ((BAI-23S-070)**

**PROJECT NAME: COURIER MANAGEMENT SYSTEM**

UPDATE CUSTOMER SET FirstName = 'Daniyal' WHERE customerID = 1011;

ALTER TABLE CUSTOMER DROP COLUMN Phone ;

SELECT \* FROM CUSTOMER WHERE Phone = '1234567890';

SELECT \* FROM CUSTOMER WHERE Email LIKE 'KHALID%';

SELECT \* FROM CUSTOMER WHERE LASTNAME LIKE 'JEHAN%';

SELECT FirstName, LastName, Delivery\_Address FROM CUSTOMER ORDER BY LastName;

SELECT \* FROM CUSTOMER WHERE FirstName like 'A%';

SELECT \* FROM CUSTOMER WHERE FirstName like '%N';

SELECT \* FROM couriermanagementsystem.customer\_feedback;

DELETE FROM CUSTOMER\_FEEDBACK WHERE CustomerID = 1016;

-- Subquery to Get Feedback with the Highest Rating

SELECT \* FROM CUSTOMER\_FEEDBACK WHERE Rating = (SELECT MAX(Rating) FROM CUSTOMER\_FEEDBACK);

-- Subquery to Get Comments with the Lowest Rating

SELECT Comment FROM CUSTOMER\_FEEDBACK WHERE Rating = (SELECT MIN(Rating) FROM CUSTOMER\_FEEDBACK);

-- Subquery to Get CustomerIDs with Feedback

SELECT DISTINCT CustomerID FROM CUSTOMER\_FEEDBACK;

-- Subquery to Get Feedback with Comments

SELECT \* FROM CUSTOMER\_FEEDBACK WHERE Comment IS NOT NULL;

-- Subquery to Get Feedback with Rating 5

SELECT \* FROM CUSTOMER\_FEEDBACK WHERE Rating = 5;

-- Subquery to Get Feedback with Ratings Grouped by Rating

SELECT Rating, COUNT(\*) AS RatingCount FROM CUSTOMER\_FEEDBACK GROUP BY Rating;

ALTER TABLE CUSTOMER\_FEEDBACK MODIFY COLUMN Comment VARCHAR(300);

SELECT \* FROM couriermanagementsystem.shipment;

SELECT \* FROM shipment ORDER BY DELIVERYDATE ASC;

-- Subquery to Get the Total Weight of Shipments

SELECT SUM(CAST(Weight AS DECIMAL(10,2))) AS TotalWeight FROM SHIPMENT;

-- Subquery to Get ShipmentIDs with 'Pending' Status

SELECT ShipmentID FROM SHIPMENT WHERE Status = 'Pending';

-- Subquery to Find Shipments with Delivery Date IS NULL

SELECT \* FROM SHIPMENT WHERE DeliveryDate IS NULL;

-- Subquery to Get Sender Information for a Specific Shipment

SELECT \* FROM CUSTOMER WHERE CustomerID = (SELECT SenderID FROM SHIPMENT WHERE ShipmentID = 'SHIP2023001');

-- SELECT Status, COUNT(\*) AS NumShipments FROM SHIPMENT GROUP BY Status

SELECT Status, COUNT(\*) AS NumShipments FROM SHIPMENT GROUP BY Status;

-- Subquery to Get Shipments with Pickup Date After a 2023-06-01 Date:

SELECT \* FROM SHIPMENT WHERE PickupDate > '2023-06-01';

-- Subquery to Get Shipments with WEIGHT MORE THAN 10KGS

SELECT \* FROM SHIPMENT WHERE CAST(Weight AS DECIMAL(10,2)) > 10.0;

-- Alter the Weight Column to Allow More Characters

ALTER TABLE SHIPMENT MODIFY COLUMN Weight VARCHAR(15);

-- Add a New Column 'ShippingMethod' with Default Value

ALTER TABLE SHIPMENT ADD COLUMN ShippingMethod VARCHAR(20) DEFAULT 'Standard';

-- Drop the 'ShippingMethod' Column

ALTER TABLE SHIPMENT DROP COLUMN ShippingMethod;

SELECT \* FROM couriermanagementsystem.customer\_complaints;

ALTER TABLE CUSTOMER\_COMPLAINTS MODIFY COLUMN Description VARCHAR(200);

SELECT \* FROM CUSTOMER INNER JOIN CUSTOMER\_COMPLAINTS ON CUSTOMER.CustomerID = CUSTOMER\_COMPLAINTS.CustomerID;

SELECT \* FROM CUSTOMER LEFT JOIN CUSTOMER\_COMPLAINTS ON CUSTOMER.CustomerID = CUSTOMER\_COMPLAINTS.CustomerID;

SELECT \* FROM CUSTOMER INNER JOIN CUSTOMER\_COMPLAINTS ON CUSTOMER.CustomerID = CUSTOMER\_COMPLAINTS.CustomerID;

SELECT \* FROM couriermanagementsystem.courier;

USE couriermanagementsystem;

ALTER TABLE COURIER MODIFY COLUMN LastName VARCHAR(20);

ALTER TABLE courier DROP COLUMN LASTNAME ;

UPDATE COURIER SET VehicleType = 'CAR' WHERE CourierID = 7;

ALTER TABLE COURIER ADD DELIVERY\_ADDRESS VARCHAR(50);

DELETE FROM COURIER WHERE CourierID = 6;

SELECT \* FROM COURIER JOIN PAYMENT ON COURIER.CourierID = PAYMENT.CustomerID;

SELECT \* FROM COURIER ORDER BY LastName;

SELECT \* FROM COURIER

LEFT JOIN PAYMENT ON COURIER.CourierID = PAYMENT.CustomerID

LEFT JOIN DISCOUNT ON PAYMENT.OrderID = DISCOUNT.OrderID;

SELECT DISTINCT VehicleType

FROM COURIER;

SELECT \*

FROM COURIER

INNER JOIN PAYMENT ON COURIER.CourierID = PAYMENT.CustomerID;

SELECT \* FROM COURIER LEFT OUTER JOIN PAYMENT ON COURIER.CourierID = PAYMENT.CustomerID;

SELECT \* FROM couriermanagementsystem.employee\_payroll;

-- Increase Bonus by 500 for Employee ID 9

UPDATE EMPLOYEE\_PAYROLL SET Bonus = Bonus + 500 WHERE COURIERID = 9;

-- Increase Salary by 10% for Employee ID 2

UPDATE EMPLOYEE\_PAYROLL SET Salary = Salary \* 1.1 WHERE COURIERID = 2;

-- Subquery to Get Maximum Salary

SELECT MAX(Salary) FROM EMPLOYEE\_PAYROLL;

-- Subquery to Get Total Number of Employees

SELECT COUNT(\*) FROM EMPLOYEE\_PAYROLL;

-- Subquery to Get Employees with Bonus Greater Than 1000

SELECT \* FROM EMPLOYEE\_PAYROLL WHERE Bonus > 1000;

-- Subquery to Get Employees with No Bonus

SELECT \* FROM EMPLOYEE\_PAYROLL WHERE Bonus IS NULL;

-- Subquery to Get Top 3 Salaries

SELECT Salary FROM EMPLOYEE\_PAYROLL ORDER BY Salary DESC LIMIT 3;

-- Subquery to Get Employees with Salary Above Average

SELECT \* FROM EMPLOYEE\_PAYROLL WHERE Salary > (SELECT AVG(Salary) FROM EMPLOYEE\_PAYROLL);

-- Subquery to Get Employees with Salary Between 45000 and 50000

SELECT \* FROM EMPLOYEE\_PAYROLL WHERE Salary BETWEEN 45000 AND 50000;

SELECT \* FROM couriermanagementsystem.trackinginfo;

-- Query to Display Shipment Status Grouped by Status

SELECT Status, COUNT(\*) FROM TRACKINGINFO GROUP BY Status;

-- Query to Find ShipmentIDs with 'Shipped' Status

SELECT ShipmentID FROM TRACKINGINFO WHERE Status = 'Shipped';

-- Query to Get ShipmentIDs for 'Order Confirmation Received'

SELECT ShipmentID FROM TRACKINGINFO WHERE Status = 'Order Confirmation Received';

-- Query to Display ShipmentIDs and Corresponding Status

SELECT ShipmentID, Status FROM TRACKINGINFO;

-- Subquery to Get the Oldest Shipment

SELECT \* FROM TRACKINGINFO ORDER BY TrackingID ASC LIMIT 1;

-- Subquery to Get Shipment with 'Shipment Processing' Status

SELECT \* FROM TRACKINGINFO WHERE Status = 'Shipment Processing';

-- Subquery to Get ShipmentIDs for 'Order Confirmation Received'

SELECT ShipmentID FROM TRACKINGINFO WHERE Status = 'Order Confirmation Received';

SELECT \* FROM couriermanagementsystem.orders;

-- Query to Update Order Status to 'Cancelled'

UPDATE ORDERS SET Status = 'Cancelled' WHERE OrderID = 10151015;

-- Query to Change Courier for a Specific Order

UPDATE ORDERS SET CourierID = 5 WHERE OrderID = 10161016;

-- Query to Display Orders Grouped by Status

SELECT Status, COUNT(\*) FROM ORDERS GROUP BY Status;

-- Subquery to Get the Latest Order

SELECT \* FROM ORDERS WHERE OrderDate = (SELECT MAX(OrderDate) FROM ORDERS);

-- Subquery to Get Orders Shipped by Courier NNAME GHAZANFAR

SELECT \* FROM ORDERS WHERE CourierID = (SELECT CourierID FROM COURIER WHERE FIRSTName = 'GHAZANFAR');

-- Subquery to Get Orders with Processing Status

SELECT \* FROM ORDERS WHERE Status = 'Delivered';

-- Subquery to Get Orders with a Specific ShipmentID

SELECT \* FROM ORDERS WHERE ShipmentID = 'SHIP2023003';

-- Subquery to Get Orders Placed in a Specific Month

SELECT \* FROM ORDERS WHERE MONTH(OrderDate) = 5;

-- Subquery to Get Orders with a Specific OrderID

SELECT \* FROM ORDERS WHERE OrderID = 10141014;

SELECT \* FROM couriermanagementsystem.payment;

SELECT \*

FROM PAYMENT

ORDER BY Amount;

SELECT \*

FROM PAYMENT

ORDER BY PaymentDate ASC;

SELECT \* FROM couriermanagementsystem.discount;

SELECT COUNT(\*)

FROM DISCOUNT

WHERE IsActive = true;

SELECT \*

FROM DISCOUNT

ORDER BY ExpiryDate ASC;