**CRM Task:-**

**1. Customers who joined after Jan 1, 2023**

SELECT FirstName, LastName, Email

FROM Customers

WHERE JoinDate > '2023-01-01';

**2. Total completed orders per customer**

SELECT c.FirstName, c.LastName, SUM(o.OrderAmount) AS TotalAmount

FROM Customers c

JOIN Orders o ON c.CustomerID = o.CustomerID

WHERE o.OrderStatus = 'Completed'

GROUP BY c.CustomerID, c.FirstName, c.LastName;

**3. Unresolved tickets with customer names**

SELECT c.FirstName, c.LastName, s.TicketID, s.Status

FROM SupportTickets s

JOIN Customers c ON s.CustomerID = c.CustomerID

WHERE s.Status IN ('Open', 'In Progress');

**4. Most recent interaction for each customer**

SELECT CustomerID, MAX(InteractionDate) AS LastInteraction

FROM Interactions

GROUP BY CustomerID;

**5. Number of customers per country**

SELECT Country, COUNT(\*) AS NumCustomers

FROM Customers

GROUP BY Country;

**6. Customers who have not placed any orders**

SELECT FirstName, LastName

FROM Customers

WHERE CustomerID NOT IN (SELECT CustomerID FROM Orders);

**7. Customers with unresolved tickets & pending orders**

SELECT DISTINCT c.FirstName, c.LastName

FROM Customers c

WHERE c.CustomerID IN (

SELECT CustomerID FROM SupportTickets WHERE Status IN ('Open', 'In Progress')

)

AND c.CustomerID IN (

SELECT CustomerID FROM Orders WHERE OrderStatus = 'Pending'

);

**8. Average order amount per order status**

SELECT OrderStatus, AVG(OrderAmount) AS AvgAmount

FROM Orders

GROUP BY OrderStatus;

**9. Customers who emailed in the past month (assume current date is '2024-05-28')**

SELECT DISTINCT c.FirstName, c.LastName

FROM Customers c

JOIN Interactions i ON c.CustomerID = i.CustomerID

WHERE i.InteractionType = 'Email'

AND i.InteractionDate >= DATE('2024-04-28');

**10. Top 5 customers by total order amount**

SELECT c.FirstName, c.LastName, SUM(o.OrderAmount) AS TotalAmount

FROM Customers c

JOIN Orders o ON c.CustomerID = o.CustomerID

GROUP BY c.CustomerID, c.FirstName, c.LastName

ORDER BY TotalAmount DESC

LIMIT 5;