Customer_Detail Table(Dim)

Customer_ID(PK)
Fist_Name
Last_Name
Age
Gender
Home_Address_State
Premium_Member_Flag
Phone
Joined_Date
User_Retention_Flag
Premium_History_ID

Booking_Detail Table (Fact)

Order_ID(PK)
Payment_ID (FK)
Customer_ID (FK)
Restaurant_ID(FK)
Delivery_Agent_ID(FK)
Minutes_Delivered
Destination
Restaurant
Time
Date_ID
Order_Cancel_Flag
Rating
Distance_Served
Cuttley_Flag

Restaurant_Detail Table(Dim)

Restaurant_ID
Restaurant_Name
Address_1
Address_2
City
State
Average_Rating

Delivery_Agent_Detail Table(Dim)

Delivery_Agent_ID(PK)
First_Name
Last_Name
Age
Gender
Vehicle_Type
Vehicle_ID(FK)

Premium_History Table(Dim)

Premium_History_ID
Customer_ID(FK)
Premiumship_Type
Premium_Amount
Premium_Start_Date_Year
Premium_End_Date_Year

Payment_Table(Fact)

Payment_ID(PK)
Payment_Method
Base_Rate
Surge_Rate
Tax_Rate
Delivery_Amount
Food_Amount
Tax_amount
Total_Amount
Transaction_ID
Tip_Recieved

Date_Table(Dim)

Date_ID
Date
Month
Year
Day

SQL Queries :

1)How many premium members in 2022 compared to 2019 .

Select Count(Premium_History_ID) as 2022_Count ,
2019_Count = (Select Count(Premium_History_ID) where Premium_Start_Date_Year = 2019)
where Premium_Start_Date_Year = 2022

2)Which City has maximum delivery

Select B.City as CITY , Count(Order_ID) from Booking_Detail a JOIN Customer_Detail b ON a.Customer_ID =
b.Customer_ID where Order_Complete_Flag ='Y' GROUP BY B.City

3)User retention - in last 2 years(2020 -2022) --> if orders more than 24 , then list those Customer ID & Name

Select b.Customer_ID , b.First_Name,
FROM Booking_Detail a JOIN Customer_Detail b ON a.Customer_ID = b.Customer_ID JOIN Date_Table as c ON
a.Date_ID = c.Date_ID WHERE COUNT(Order_ID) > 24 AND
c.YEAR BETWEEN year(getdate()) AND year(getdate())- 2