Date_Detail Table (Fact)

Date_ID(PK)
Date
Month
Year
Day

Booking_Detail Table(Fact)

Booking_ID(PK)
Customer_ID(FK)
Time_of_arrival
Number_of_seats
Restaurant_ID(FK)
Payment_ID(FK)
Cancellation_Flag
Completed_Flag
Restaurant Rating
App Rating
Date_of_Completed_Booking
Date_ID(FK)

Restaurant_Detail Table

Restaurant_ID(PK)
Restaurant_Name
Restaurant_Address_1
Restaurant_Address_2
City
State

Customer Table(Dimension)

Customer_ID(PK)
First_Name
Last_Name
Gender
Age
Premium_Member_Flag
Premiumship_Time
Premiumship_Amount
Premiumship_Expiry_Date
Date_of_Joining

Payment_Detail Table

Payment_ID(PK)
Payment_Method
Payment_Gateway
Amount_Paid
Base_Rate
Surge_Charge
Cashback

SQL Query :

a)List of restaurant with no. booking in year 2022
Select Count(a.Booking_ID) from Restaurant_Detail b JOIN Table_Booking a ON b.Restaurant_ID = a.Restaurant_ID JOIN Date_Detail c ON
a.Date_ID = c.Date ID where c.Date ID = 2022 and a.Completed_Flag ='Y' GROUP BY b.Restaurant_Name

b)List out no. of bookings of each which CITY & months in 2022
Select Count(a.Booking_ID) as Total_Booking , b.City , c.Month from Restaurant_Detail b JOIN Table_Booking a ON b.Restaurant_ID = a.Restaurant_ID JOIN Date_Detail c ON
a.Date_ID = c.Date ID where c.Date ID = 2022 and a.Completed_Flag ='Y' GROUP BY b.City , c.Month Order By Total_Booking DESC

c)How many premier membership in 2022?How many of them are first timers
Select count(Customer_ID) from Customer_Detail where Premium_Member_Flag ='Y' and Premiumship_Expiry_Year = '2022'
First Timer- Select count(Customer_ID) from Customer_Detail where Premium_Member_Flag ='Y' and Premiumship_Expiry_Year = '2022' and
First_Time_Membership_Flag ='Y'