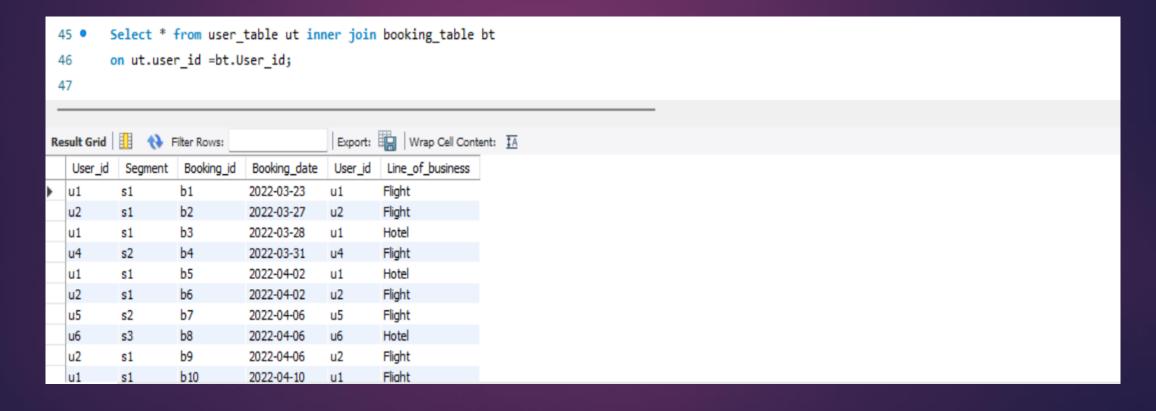
Case Study by A Major Travel Company

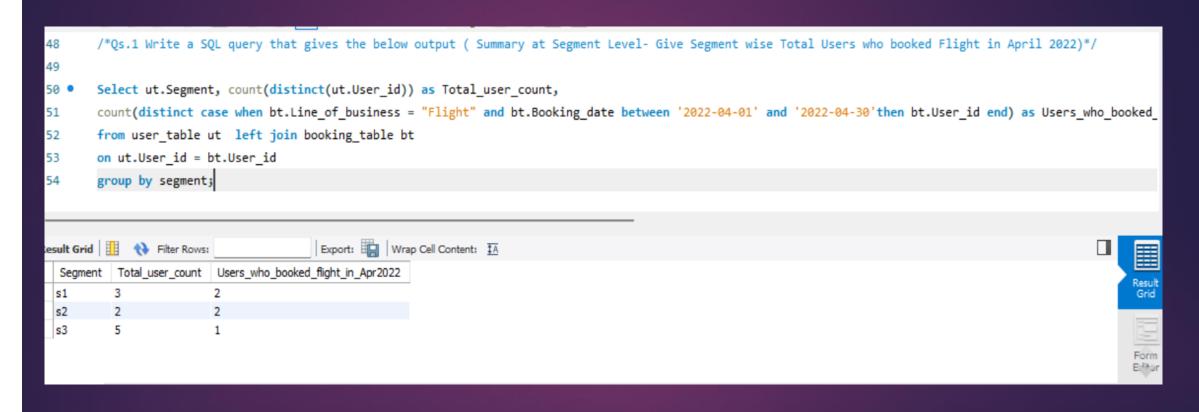
SQL FOR DATA ANALYTICS

- UNDERSTANDING THE PROBLEM STATEMENT
- SOLVING BUSINESS PROBLEM USING 4 QUESTIONS

DATASET:



QS .1 WRITE A SQL QUERY WHICH GIVES SEGMENT WISE TOTAL USERS WHO BOOKED FLIGHT IN APRIL 2022 ?

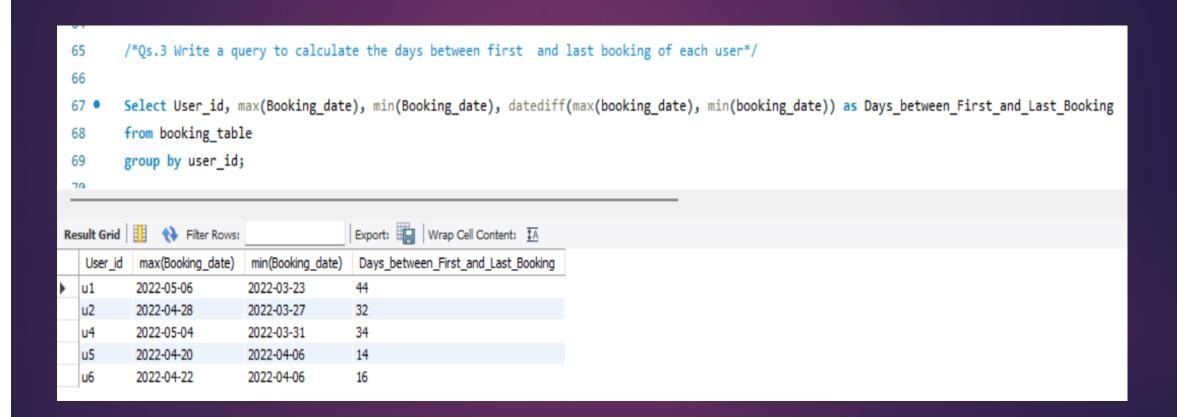


QS.2 WRITE A QUERY TO IDENTIFY USERS WHOSE FIRST BOOKING WAS A "HOTEL" BOOKING

```
/*Qs.2 Write a query to identify users whose first booking was a Hotel booking*/
56
57

→ With hotel_booking as (
        Select * ,
59
        rank() over (partition by user_id order by booking_date) as rn
       from booking table)
61
        Select * from hotel booking
        where rn =1 and Line_of_business ="Hotel";
Result Grid Filter Rows:
                                     Export: Wrap Cell Content: IA
  Booking_id Booking_date User_id Line_of_business rn
 b8
            2022-04-06 u6
                                Hotel
```

QS.3.WRITE A QUERY TO CALCULATE THE DAYS BETWEEN FIRST AND LAST BOOKING OF EACH USER



QS.4 WRITE A QUERY TO COUNT THE NUMBER OF FLIGHT AND HOTEL BOOKINGS IN EACH OF THE USER SEGMENTS FOR THE YEAR 2022

You can filter by year since only 2022 in dataset is given have not used filter in this scenario

```
70
       /* Write a query to count the number of flight and hotel bookings in each of the user segments for the year 2022*/
71
       Select Segment,
73
       sum(case when Line_of_business ='Flight' then 1 else 0 end )as flight_booking,
       sum(case when Line_of_business = 'Hotel' then 1 else 0 end) as hotel_booking
74
       from booking_table bt join user_table ut
       on ut.User id = bt.User id
76
77
       group by Segment;
                                       Export: Wrap Cell Content: IA
Segment | flight_booking | hotel_booking
```