

---DISTINCT USERS WHO HAVE MADE THE BOOKING AND ,USERS WHO HAVE MADE THE FLIGHT BOOKING
IN APRIL 2022

```
WITH CTE AS(  
SELECT U.SEGMENT,COUNT( DISTINCT CASE WHEN B.Line_of_business='FLIGHT' AND  
DATEPART(YEAR,B.Booking_date)='2022' AND DATEPART(MONTH,BOOKING_DATE)='4' THEN  
B.USER_ID END)USER_ID_COUNT_2022_AP,COUNT(DISTINCT U.USER_ID)TOTAL_COUNT FROM  
booking_table B RIGHT JOIN user_table U ON  
B.USER_ID=U.USER_ID GROUP BY U.Segment)
```

```
SELECT * FROM CTE
```

---USERS WHOSE FIRST BOOKING WAS HOTEL BOOKING

```
WITH CTE AS(  
SELECT BOOKING_DATE,USER_ID,FIRST_VALUE(LINE_OF_BUSINESS) OVER(PARTITION BY USER_ID  
ORDER BY BOOKING_ID)FIRST_BOOKING, LINE_OF_BUSINESS FROM BOOKING_TABLE)
```

```
SELECT DISTINCT USER_ID FROM CTE WHERE FIRST_BOOKING='HOTEL'
```

-----FIRST BOOKING AND LAST BOOKING DATES

```
SELECT DISTINCT USER_ID,FIRST_VALUE(BOOKING_DATE) OVER(PARTITION BY USER_ID ORDER BY  
BOOKING_DATE)F_B,  
FIRST_VALUE(BOOKING_DATE) OVER(PARTITION BY USER_ID ORDER BY BOOKING_DATE DESC)L_B  
FROM booking_table
```

---NO OF FLIGHTS AND HOTEL BOOKINGS IN EACH OF THE USER SEG IN 2022

```
SELECT U.SEGMENT  
,SUM(CASE WHEN B.LINE_OF_BUSINESS='FLIGHT' THEN 1 ELSE 0 END)FLIGHT  
,SUM(CASE WHEN B.LINE_OF_BUSINESS='HOTEL' THEN 1 ELSE 0 END)HOTEL FROM user_table U LEFT  
JOIN booking_table B ON  
U.User_id=B.User_id WHERE DATEPART(YEAR,B.BOOKING_DATE)='2022'  
GROUP BY U.SEGMENT
```