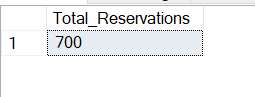
1. What is the total number of reservations in the dataset?

select count(Booking\_ID) as Total\_Reservations

from hotel\_reservation\_data



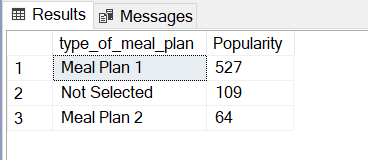
2. Which meal plan is the most popular among guests?

select type\_of\_meal\_plan,count(type\_of\_meal\_plan) as Popularity

from hotel\_reservation\_data

group by type\_of\_meal\_plan

order by count(type\_of\_meal\_plan) desc

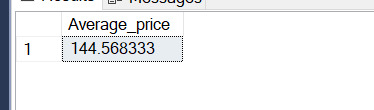


3. What is the average price per room for reservations involving children?

select avg(cast(avg\_price\_per\_room as decimal(10,2))) as Average\_price

from hotel\_reservation\_data

where no\_of\_children>0

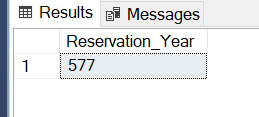


4. How many reservations were made for the year 20XX (replace XX with the desired year)?

select COUNT(Booking\_ID) as Reservation\_Year

from hotel\_reservation\_data

where year(arrival\_date)=2018



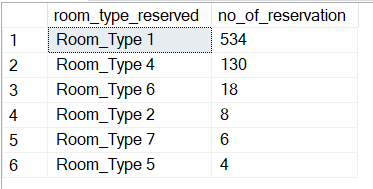
5. What is the most commonly booked room type?

select room\_type\_reserved,count(room\_type\_reserved) as no\_of\_reservation

from hotel\_reservation\_data

group by room\_type\_reserved

order by count(room\_type\_reserved) desc

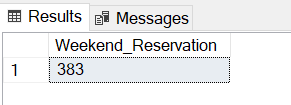


6. How many reservations fall on a weekend (no\_of\_weekend\_nights > 0)?

select Count(Booking\_ID) as Weekend\_Reservation

from hotel\_reservation\_data

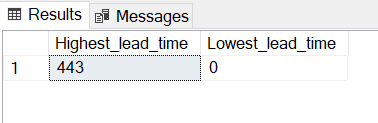
where no\_of\_weekend\_nights>0



7. What is the highest and lowest lead time for reservations?

select max(lead\_time) as Highest\_lead\_time ,min(lead\_time) as Lowest\_lead\_time

from hotel\_reservation\_data



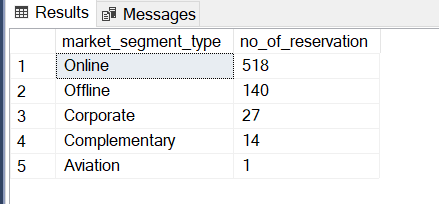
8. What is the most common market segment type for reservations?

select market\_segment\_type,count(market\_segment\_type) as no\_of\_reservation

from hotel\_reservation\_data

group by market\_segment\_type

order by count(market\_segment\_type) desc

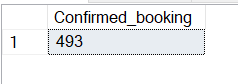


9. How many reservations have a booking status of "Confirmed"?

select count(Booking\_ID) as Confirmed\_booking

from hotel\_reservation\_data

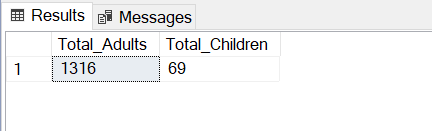
where booking\_status='Not\_Canceled'



10. What is the total number of adults and children across all reservations?

select sum(no\_of\_adults) as Total\_Adults, sum(no\_of\_children) as Total\_Children

from hotel\_reservation\_data

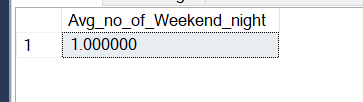


11. What is the average number of weekend nights for reservations involving children?

select avg(cast(no\_of\_weekend\_nights as decimal(10,2))) as Avg\_no\_of\_Weekend\_night

from hotel\_reservation\_data

where no\_of\_children>0



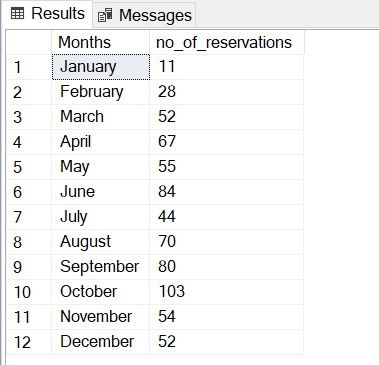
12. How many reservations were made in each month of the year?

select datename(month,arrival\_date) as Months ,count(datename(month,arrival\_date)) as no\_of\_reservations

from hotel\_reservation\_data

group by datename(month,arrival\_date),DATEPART(mm, arrival\_date)

order by DATEPART(mm, arrival\_date)

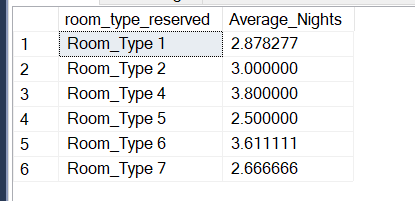


13. What is the average number of nights (both weekend and weekday) spent by guests for each room type?

select room\_type\_reserved, avg(cast(no\_of\_week\_nights+no\_of\_weekend\_nights as decimal(10,2))) as Average\_Nights

from hotel\_reservation\_data

group by room\_type\_reserved

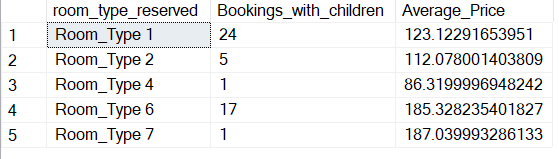


14. For reservations involving children, what is the most common room type, and what is the average price for that room type?

select room\_type\_reserved,count(Booking\_ID) as Bookings\_with\_children,avg(avg\_price\_per\_room)as Average\_Price

from hotel\_reservation\_data

where no\_of\_children>0

group by room\_type\_reserved 

15. Find the market segment type that generates the highest average price per room.

select market\_segment\_type,avg(cast(avg\_price\_per\_room as decimal(10,2))) as Average\_Price

from hotel\_reservation\_data

group by market\_segment\_type

order by avg(avg\_price\_per\_room) desc

