1.Calculate the average cost of bookings including cancelled status (CostUSD)

SELECT AVG(CostUSD) AS Average\_cost FROM travelers\_data



2. Find the most popular room class(includes cancelled).

SELECT TOP 1 RoomType, COUNT(\*) AS total\_booked\_RoomType FROM travelers\_data GROUP BY RoomType ORDER BY total\_booked\_RoomType DESC

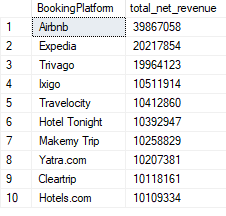
Creating a view of Confirmed Travelers only

CREATE VIEW Confirmed\_booking as

SELECT \* FROM travelers\_data WHERE BookingStatus='Confirmed'

3. Calculate the total revenue generated by the booking platforms

SELECT BookingPlatform,ROUND(SUM(NetCost),0) AS total\_net\_revenue FROM Confirmed\_booking GROUP BY BookingPlatform ORDER BY total\_net\_revenue DESC



4. Identify the top 5 destinations with the highest booking count.

SELECT TOP 5 Destination, COUNT(\*) as Nos\_of\_Travelers FROM Confirmed\_booking GROUP BY Destination ORDER BY Nos\_of\_Travelers DESC



5. Calculate the percentage of bookings with a "Confirmed" status.

SELECT

SUM(CASE WHEN BookingStatus = 'Confirmed' THEN 1 ELSE 0 END) AS total\_confirmed\_booking,

ROUND(SUM(CASE WHEN BookingStatus = 'Confirmed' THEN 1 ELSE 0 END)\*100/ COUNT(\*) ,2) AS total\_confirmed\_booking\_percentage

FROM travelers\_data;



6. Calculate the average discount offered on room bookings (excluding bookings with no discount).

SELECT ROUND(AVG(ROUND(CostUSD-NetCost,2)),2) as average\_discont FROM Confirmed\_booking WHERE CostUSD-NetCost<>0



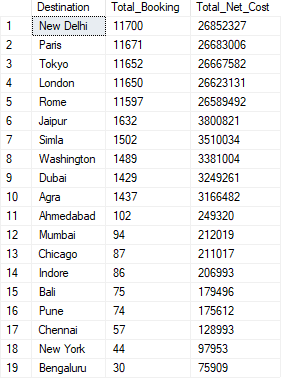
7. Calculate the average discount offered on room bookings (including bookings with no discount).

SELECT ROUND(AVG(ROUND(CostUSD-NetCost,2)),2) AS average\_discont FROM Confirmed\_booking



8. Calculate the total cost of bookings for each destination with Total Booking count.

SELECT Destination, COUNT(\*) Total\_Booking ,CAST(SUM(NetCost) AS INT) AS Total\_Net\_Cost FROM Confirmed\_booking GROUP BY Destination ORDER BY Total\_Net\_Cost DESC



9. Calculate the average number of adults and children per booking.

select AVG(Adults) AS Average\_Adult ,AVG(Children) AS Average\_Children FROM Confirmed\_booking



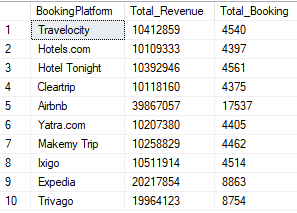
10. Find the booking with the highest cost.

select CAST(MAX(NetCost) AS INT) AS Highest\_Net\_Cost FROM Confirmed\_booking



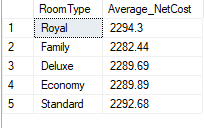
11. Calculate the total revenue for each BookingPlatform with total booking count

SELECT BookingPlatform, CAST(SUM(NetCost) AS INT) AS Total\_Revenue,COUNT(BookingID) AS Total\_Booking FROM Confirmed\_booking GROUP BY BookingPlatform



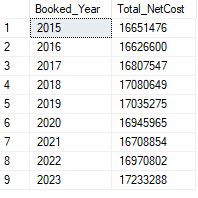
12. Calculate the average cost of bookings for each room class.

SELECT RoomType,ROUND(AVG(NetCost),2) AS Average\_NetCost FROM Confirmed\_booking GROUP BY RoomType



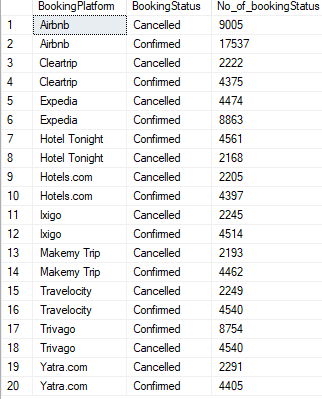
13. Calculate the total revenue for each year.

SELECT YEAR(BookingDate) AS Booked\_Year,CAST(SUM(NetCost) AS INT) AS Total\_NetCost FROM Confirmed\_booking GROUP BY YEAR (BookingDate) ORDER BY Booked\_Year



14. Find the most common booking status for each booking platform

SELECT BookingPlatform, BookingStatus,COUNT(\*) as No\_of\_bookingStatus FROM travelers\_data GROUP BY BookingStatus,BookingPlatform ORDER BY BookingPlatform



15. Calculate the average hotel stay duration.

SELECT AVG(HotelStayDays) AS Average\_Stay FROM Confirmed\_booking



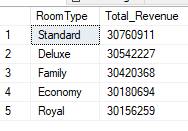
16. Calculate the total cost of bookings for confirmed bookings only.

SELECT CAST(SUM(NetCost) AS INT) AS Total\_Revenue FROM Confirmed\_booking



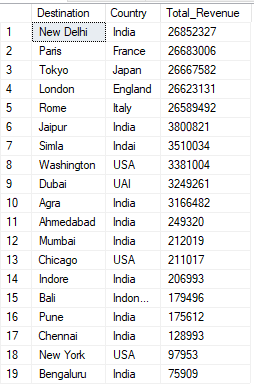
17. Calculate the total revenue for each room class.

SELECT RoomType, CAST(SUM(NetCost) AS INT) AS Total\_Revenue FROM Confirmed\_booking GROUP BY RoomType ORDER BY Total\_Revenue DESC



18. Calculate the total cost of bookings for each destination-country combination.

SELECT Destination, Country, CAST(SUM(NetCost) AS INT) AS Total\_Revenue FROM Confirmed\_booking GROUP BY Destination, Country ORDER BY Total\_Revenue DESC



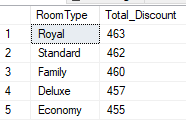
19. Calculate the total cost of bookings for bookings with discounts.

SELECT CAST(SUM(NetCost) AS INT) AS Total\_Revenue FROM Confirmed\_booking WHERE CostUSD-NetCost<>0



20. Calculate the average discount offered for each room class.

SELECT RoomType, CAST(AVG(CostUSD-NetCost) AS INT) AS Total\_Discount FROM Confirmed\_booking GROUP BY RoomType ORDER BY Total\_Discount DESC



21. Count the number of bookings made for each destination by RoomType.

SELECT RoomType, Destination, COUNT(\*) AS Room\_Booked FROM Confirmed\_booking GROUP BY RoomType, Destination ORDER BY Room\_Booked DESC



