**SQL EVALUATION – 21.07.2025 – OYO CASE STUDY DATABASE (HotelBookingAnalysis)**

**by Job Aoushadan N**

1. **Total bookings per city**

SELECT h.city, COUNT(b.booking\_id) AS total\_bookings

Aggregates the number of bookings made in each city.

1. **Total revenue per city (after discount)**

SELECT h.city, SUM(b.amount - b.discount) AS total\_revenue

Computes net revenue from bookings in each city where the guest stayed.

1. **Average net amount per booking by city**

SELECT h.city, AVG(b.amount - b.discount) AS avg\_net\_amount

Calculates average post-discount revenue per booking, city-wise (for completed stays).

1. **Earliest and latest check-in dates per city**

SELECT h.city,

MIN(CAST(b.check\_in AS date)) AS earliest\_check\_in,

MAX(CAST(b.check\_in AS date)) AS latest\_check\_in

Determines the range of check‑in dates per city.

1. **Room booking stats per city**

SELECT h.city,

MIN(b.no\_of\_rooms) AS min\_rooms,

MAX(b.no\_of\_rooms) AS max\_rooms,

AVG(b.no\_of\_rooms) AS avg\_rooms,

SUM(b.no\_of\_rooms) AS total\_rooms

Provides minimum, maximum, average, and total rooms booked by city.

1. **Overall summary across all stayed bookings**

SELECT COUNT(\*) AS total\_bookings,

MIN(amount - discount) AS min\_net\_amount,

MAX(amount - discount) AS max\_net\_amount,

AVG(amount - discount) AS avg\_net\_amount,

SUM(amount - discount) AS total\_net\_amount

FROM bookings b

WHERE b.status = 'Stayed';

Summarizes total stayed bookings across the dataset with net amount statistics (min, max, avg, total).

-- TOTAL NUMBER OF BOOKINGS PER CITY

SELECT h.city, COUNT(b.booking\_id) AS total\_bookings

FROM bookings b

JOIN hotels h ON b.hotel\_id = h.hotel\_id

GROUP BY h.city;

-- TOTAL REVENUE PER CITY(AFTER DISCOUNT)

SELECT h.city, SUM(b.amount - b.discount) AS total\_revenue

FROM bookings b

JOIN hotels h ON b.hotel\_id = h.hotel\_id

WHERE b.status = 'Stayed'

GROUP BY h.city;

-- AVERAGE AMOUNT PAID PER BOOKING(BY CITY)

SELECT h.city, AVG(b.amount - b.discount) AS avg\_net\_amount

FROM bookings b

JOIN hotels h ON b.hotel\_id = h.hotel\_id

WHERE b.status = 'Stayed'

GROUP BY h.city;

-- EARLIEST AND LATEST CHECK-IN PER CITY

SELECT h.city,

MIN(CONVERT(date,b.check\_in, 1)) AS earliest\_check\_in,

MAX(CONVERT(date,b.check\_in, 1)) AS latest\_check\_in

FROM bookings b

JOIN hotels h ON b.hotel\_id = h.hotel\_id

GROUP BY h.city;

-- MIN AND MAX NUMBER OF ROOMS BOOKES

SELECT

h.city,

MIN(b.no\_of\_rooms) AS min\_rooms,

MAX(b.no\_of\_rooms) AS max\_rooms,

AVG(b.no\_of\_rooms) AS avg\_rooms,

SUM(b.no\_of\_rooms) AS total\_rooms

FROM bookings b

JOIN hotels h ON b.hotel\_id = h.hotel\_id

GROUP BY h.city;

-- OVERALL SUMMARY

SELECT

COUNT(\*) AS total\_bookings,

MIN(amount - discount) AS min\_net\_amount,

MAX(amount - discount) AS max\_net\_amount,

AVG(amount - discount) AS avg\_net\_amount,

SUM(amount - discount) AS total\_net\_amount

FROM bookings b

WHERE b.status = 'Stayed'

OUTPUTS:



