

HOW MANY TOTAL BOOKINGS WERE MADE ACROSS ALL HOTELS?

SELECT

```
COUNT(booking_id) AS Total_Bookings  
FROM fact_bookings;
```

Total_Bookings
134590

WHAT IS THE DISTRIBUTION OF BOOKINGS BY BOOKING STATUS?

SELECT

```
booking_status AS Booking_Status,  
COUNT(*) AS Bookings_Count  
FROM fact_bookings  
GROUP BY booking_status;
```

Booking_Status	Bookings_Count
No Show	6759
Checked Out	94411
Cancelled	33420

WHAT PERCENTAGE OF BOOKINGS WERE CANCELLED OR RESULTED IN NO-SHOWS?

SELECT

```
ROUND(  
    SUM(CASE  
        WHEN booking_status IN ('Cancelled', 'No Show') THEN 1  
        ELSE 0  
    END) * 100.0 / COUNT(*),  
    2  
) AS Cancellation_Rate  
FROM fact_bookings;
```

Cancellation_Rate

29.85

WHAT IS THE TOTAL REVENUE REALIZED FROM COMPLETED HOTEL BOOKINGS?

SELECT

```
ROUND(SUM(revenue_realized),0) AS Total_Revenue  
FROM fact_bookings  
WHERE booking_status = 'Checked Out';
```

Total_Revenue
1409113965

HOW DOES REVENUE TREND OVER TIME ON A DAILY BASIS?

SELECT

```
d.date,  
ROUND(SUM(f.revenue_realized),0) AS Daily_Revenue  
FROM fact_bookings f  
JOIN dim_date d  
    ON f.check_in_date = d.date  
WHERE f.booking_status = 'Checked Out'  
GROUP BY d.date  
ORDER BY d.date;
```

date	Daily_Revenue
2022-05-01	20802305
2022-05-02	14045755
2022-05-03	14504770
2022-05-04	14251685
2022-05-05	14699445
2022-05-06	14262110
2022-05-07	20569180
2022-05-08	21144065

HOW DO WEEKLY TRENDS IMPACT: TOTAL BOOKINGS, TOTAL REVENUE, OCCUPANCY PERCENTAGE

SELECT

```
d.week_no,  
COUNT(f.booking_id) AS Total_Bookings,  
SUM(f.revenue_realized) AS Total_Revenue,  
ROUND(  
    SUM(a.successful_bookings) * 100.0 / SUM(a.capacity),  
    2  
) AS occupancy_percentage  
FROM dim_date d  
LEFT JOIN fact_bookings f  
    ON d.date = f.check_in_date  
    AND f.booking_status = 'Checked Out'  
LEFT JOIN fact_aggregated_bookings a  
    ON d.date = a.check_in_date  
GROUP BY d.week_no  
ORDER BY d.week_no;
```

week_no	Total_Bookings	Total_Revenue	occupancy_percentage
19	762800	11313525000.00	63.89
20	769900	11537940500.00	63.88
21	633100	9464933000.00	52.74
22	758500	11351054500.00	63.73
23	639900	9559768000.00	53.01
24	768800	11458823000.00	64.46
25	765700	11401086500.00	63.81
26	629200	9424902000.00	52.61
27	773400	11563533000.00	63.97
28	775700	11573743500.00	63.79
29	777700	11580498500.00	64.32
30	634800	9468229500.00	52.51
31	634700	9473380000.00	52.39
32	116900	1739979500.00	65.31

WHAT IS THE TOTAL UTILIZED ROOM CAPACITY ACROSS ALL PROPERTIES?

SELECT

```
SUM(successful_bookings) AS Utilized_Capacity  
FROM fact_aggregated_bookings;
```

Utilized_Capacity
134590

WHAT IS THE OVERALL OCCUPANCY PERCENTAGE ACROSS ALL PROPERTIES?

SELECT

```
ROUND(  
    SUM(successful_bookings) * 100.0 / SUM(capacity),  
    2  
) AS Occupancy_Percentage  
FROM fact_aggregated_bookings;
```

Occupancy_Percentage
57.87

HOW DO WEEKDAY AND WEEKEND BOOKINGS COMPARE IN TERMS OF: NUMBER OF BOOKINGS, REVENUE GENERATED

SELECT

```
d.day_type AS Day_Type,  
COUNT(f.booking_id) AS Total_Bookings,  
ROUND(SUM(f.revenue_realized),0) AS Total_Revenue  
FROM fact_bookings f  
JOIN dim_date d  
    ON f.check_in_date = d.date  
WHERE f.booking_status = 'Checked Out'  
GROUP BY d.day_type;
```

Day_Type	Total_Bookings	Total_Revenue
weekday	59020	880716495
weekend	35391	528397470

WHICH CITY AND HOTEL PROPERTY GENERATE THE HIGHEST REVENUE?

SELECT

```
h.city,  
h.property_name AS Property_Name,  
ROUND(SUM(f.revenue_realized),0) AS Revenue  
FROM fact_bookings f  
JOIN dim_hotels h  
    ON f.property_id = h.property_id  
WHERE f.booking_status = 'Checked Out'  
GROUP BY h.city, h.property_name  
ORDER BY revenue DESC;
```

city	Property_Name	Revenue
Mumbai	Atliq Exotica	175630315
Mumbai	Atliq Palace	84351620
Delhi	Atliq Palace	73314430
Mumbai	Atliq City	72002055
Bangalore	Atliq Bay	68028375
Bangalore	Atliq City	67118700
Mumbai	Atliq Grands	61747315
Mumbai	Atliq Blu	60635005
Bangalore	Atliq Blu	59726175
Hyderabad	Atliq Bay	57383950

HOW DOES REVENUE PERFORMANCE VARY BY ROOM CATEGORY?

SELECT

```
room_category AS Room_Category,  
ROUND(SUM(revenue_realized),0) AS Total_Revenue  
FROM fact_bookings  
WHERE booking_status = 'Checked Out'  
GROUP BY room_category  
ORDER BY total_revenue DESC;
```

Room_Category	Total_Revenue
RT2	461430180
RT3	381040680
RT4	311567700
RT1	255075405