# **OLA\_DATA\_ANALYSIS\_PROJECT**

# SQL Answers:

### Retrieve all successful bookings:

SELECT \* FROM bookings WHERE Booking\_Status = 'Success';

### Find the average ride distance for each vehicle type:

SELECT Vehicle\_Type, AVG(Ride\_Distance) as avg\_distance FROM bookings GROUP BY Vehicle\_Type;

### Get the total number of cancelled rides by customers:

SELECT COUNT(\*) FROM bookings WHERE Booking\_Status = 'cancelled by Customer';

### List the top 5 customers who booked the highest number of rides:

SELECT Customer\_ID, COUNT(Booking\_ID) as total\_rides FROM bookings GROUP BY Customer\_ID ORDER BY total\_rides DESC LIMIT 5;

1. Get the number of rides cancelled by drivers due to personal and car-related issues:

SELECT COUNT(\*) FROM bookings WHERE cancelled\_Rides\_by\_Driver = 'Personal & Car related issue';

1. Find the maximum and minimum driver ratings for Prime Sedan bookings:

SELECT MAX(Driver\_Ratings) as max\_rating, MIN(Driver\_Ratings) as min\_rating FROM bookings WHERE Vehicle\_Type = 'Prime Sedan';

### Retrieve all rides where payment was made using UPI:

SELECT \* FROM bookings WHERE Payment\_Method = 'UPI';

### Find the average customer rating per vehicle type:

SELECT Vehicle\_Type, AVG(Customer\_Rating) as avg\_customer\_rating FROM bookings GROUP BY Vehicle\_Type;

### Calculate the total booking value of rides completed successfully:

SELECT SUM(Booking\_Value) as total\_successful\_value FROM bookings WHERE Booking\_Status = 'Success';

### List all incomplete rides along with the reason:

SELECT Booking\_ID, Incomplete\_Rides\_Reason FROM bookings WHERE Incomplete\_Rides = 'Yes';

# Power BI Answers:

Segregation of the views

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### Overall

* + Ride Volume Over Time
  + Booking Status Breakdown

1. Vehicle Type
   * Top 5 Vehicle Types by Ride Distance
2. Revenue
   * Revenue by Payment Method
   * Top 5 Customers by Total Booking Value
   * Ride Distance Distribution Per Day
3. Cancellation
   * Cancelled Rides Reasons (Customer)
   * cancelled Rides Reasons(Drivers)
4. Ratings
   * Driver Ratings
   * Customer Ratings