Data Analyst Project

SQL Questions:

1. Retrieve all successful bookings:
2. Find the average ride distance for each vehicle type:
3. Get the total number of cancelled rides by customers:
4. List the top 5 customers who booked the highest number of rides:
5. Get the number of rides cancelled by drivers due to personal and car-related issues:
6. Find the maximum and minimum driver ratings for Prime Sedan bookings:
7. Retrieve all rides where payment was made using UPI:
8. Find the average customer rating per vehicle type:
9. Calculate the total booking value of rides completed successfully:
10. List all incomplete rides along with the reason:

# SQL Questions & Answers

Create Database Ola;

Use Ola;

**#1. Retrieve all successful bookings:**

Create View Successful\_Bookings As

SELECT \* FROM bookings

WHERE Booking\_Status = 'Success';

**#2. Find the average ride distance for each vehicle type:**

Create View ride\_distance\_for\_each\_vehicle As SELECT Vehicle\_Type, AVG(Ride\_Distance) as avg\_distance FROM bookings GROUP BY Vehicle\_Type;

**#3. Get the total number of cancelled rides by customers:**

Create View cancelled\_rides\_by\_customers As

SELECT COUNT(\*) FROM bookings

WHERE Booking\_Status = 'cancelled by Customer';

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

Create View Top\_5\_Customers As

SELECT Customer\_ID, COUNT(Booking\_ID) as total\_rides

FROM bookings

GROUP BY Customer\_ID

ORDER BY total\_rides DESC LIMIT 5;

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

Create View Rides\_cancelled\_by\_Drivers\_P\_C\_Issues As

SELECT COUNT(\*) FROM bookings

WHERE cancelled\_Rides\_by\_Driver = 'Personal & Car related issue';

**#6. Find the maximum and minimum driver ratings for Prime Sedan bookings:**

Create View Max\_Min\_Driver\_Rating As

SELECT MAX(Driver\_Ratings) as max\_rating,

MIN(Driver\_Ratings) as min\_rating

FROM bookings WHERE Vehicle\_Type = 'Prime Sedan';

**#7. Retrieve all rides where payment was made using UPI:**

Create View UPI\_Payment As

SELECT \* FROM bookings

WHERE Payment\_Method = 'UPI';

**#8. Find the average customer rating per vehicle type:**

Create View AVG\_Cust\_Rating As

SELECT Vehicle\_Type, AVG(Customer\_Rating) as avg\_customer\_rating

FROM bookings

GROUP BY Vehicle\_Type;

**#9. Calculate the total booking value of rides completed successfully:**

Create View total\_successful\_ride\_value As

SELECT SUM(Booking\_Value) as total\_successful\_ride\_value

FROM bookings

WHERE Booking\_Status = 'Success';

**#10. List all incomplete rides along with the reason:**

Create View Incomplete\_Rides\_Reason As

SELECT Booking\_ID, Incomplete\_Rides\_Reason

FROM bookings

WHERE Incomplete\_Rides = 'Yes';