**OLA Data Analyst Question  
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:   
  
  
  
**Power BI Questions:**  
  
 1. Ride Volume Over Time  
 2. Booking Status Breakdown   
 3. Top 5 Vehicle Types by Ride Distance   
 4. Average Customer Ratings by Vehicle Type   
 5. cancelled Rides Reasons   
 6. Revenue by Payment Method   
 7. Top 5 Customers by Total Booking Value   
 8. Ride Distance Distribution Per Day   
 9. Driver Ratings Distribution   
 10. Customer vs. Driver Ratings Data Columns 1. Date 2. Time 3. Booking\_ID 4. Booking\_Status 5. Customer\_ID 6. Vehicle\_Type 7. Pickup\_Location 8. Drop\_Location 9. V\_TAT 10. C\_TAT 11. cancelled\_Rides\_by\_Customer 12. cancelled\_Rides\_by\_Driver 13. Incomplete\_Rides 14. Incomplete\_Rides\_Reason 15. Booking\_Value 16. Payment\_Method 17. Ride\_Distance 18. Driver\_Ratings 19. Customer\_Rating.

**Questions& Answers-**

1. Retrieve all successful bookings:

Create View Successful\_Booking as

SELECT \* FROM ola\_booking

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 Average\_distance

FROM ola\_booking

GROUP BY vehicle\_type;

SELECT \* FROM ride\_distance\_for\_each\_vehicle;

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

CREATE VIEW cancelled\_rides\_by\_customers AS

SELECT COUNT(\*)

FROM ola\_booking

WHERE Booking\_Status= 'Canceled by Customer';

SELECT \* FROM cancelled\_rides\_by\_customers;

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

CREATE VIEW top\_5\_costumer AS

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

FROM ola\_booking

GROUP BY Customer\_ID

ORDER BY total\_rides DESC LIMIT 5;

SELECT \* FROM top\_5\_costumer;

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

CREATE VIEW ride\_cancelled\_by\_drivers AS

SELECT COUNT(\*) FROM ola\_booking

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

SELECT \* FROM ride\_cancelled\_by\_drivers;

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

CREATE VIEW Min\_Max\_Driver\_Rating AS

SELECT MAX(driver\_ratings) as Max\_rating ,

MIN(driver\_ratings) as Min\_rating

FROM ola\_booking

WHERE Vehicle\_Type = 'Prime Sedan';

SELECT \* FROM Min\_Max\_Driver\_Rating;

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

CREATE VIEW Payment\_Method AS

SELECT \* FROM ola\_booking

WHERE payment\_method = 'UPI';

SELECT \* FROM Payment\_Method;

8. Find the average customer rating per vehicle type:

CREATE VIEW average\_customer\_rating\_per\_vehicle\_type AS

SELECT vehicle\_type, AVG(Customer\_rating) as Average\_Customer\_Rating

FROM ola\_booking

GROUP BY vehicle\_type;  
SELECT \* FROM average\_customer\_rating\_per\_vehicle\_type;

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

CREATE VIEW total\_booking\_value\_of\_rides\_completed AS

SELECT SUM(booking\_value) as total\_successfull\_value

FROM ola\_booking

WHERE booking\_status = 'Success';

SELECT \* FROM total\_booking\_value\_of\_rides\_completed;

10. List all incomplete rides along with the reason:

CREATE VIEW incomplete\_rides\_reason AS

SELECT booking\_ID, incomplete\_rides\_reason

FROM ola\_booking

WHERE incomplete\_rides = 'Yes';

SELECT \* FROM incomplete\_rides\_reason;  
  
  
  
**Power BI Answers:**  
Segregation of the views:  
  
1. Overall  
 - Ride Volume Over Time   
 - Booking Status Breakdown   
2. Vehicle Type   
 - Top 5 Vehicle Types by Ride Distance  
3. Revenue   
 - Revenue by Payment Method   
 - Top 5 Customers by Total Booking Value   
 - Ride Distance Distribution Per Day   
4. Cancellation   
 - Cancelled Rides Reasons (Customer)   
 - cancelled Rides Reasons(Drivers)   
5. Ratings   
 - Driver Ratings   
 - Customer Ratings  
  
 **Answers:**   
  
**1. Ride Volume Over Time:** A time-series chart showing the number of rides per day/week.  
**2. Booking Status Breakdown:** A pie or doughnut chart displaying the proportion of different booking statuses (success, cancelled by the customer, cancelled by the driver, etc.).   
**3. Top 5 Vehicle Types by Ride Distance:** A bar chart ranking vehicle types based on the total distance covered.   
**4. Average Customer Ratings by Vehicle Type:** A column chart showing the average customer ratings for different vehicle types.   
**5. cancelled Rides Reasons:** A bar chart that highlights the common reasons for ride cancellations by customers and drivers.   
**6. Revenue by Payment Method:** A stacked bar chart displaying total revenue based on payment methods (Cash, UPI, Credit Card, etc.).   
**7. Top 5 Customers by Total Booking Value:** A leaderboard visual listing customers who have spent the most on bookings.   
**8. Ride Distance Distribution Per Day:** A histogram or scatter plot showing the distribution of ride distances for different Dates.   
**9. Driver Rating Distribution:** A box plot visualizing the spread of driver ratings for different vehicle types.   
**10. Customer vs. Driver Ratings:** A scatter plot comparing customer and driver ratings for each completed ride, analyzing correlations.