**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:

11. What are the top 5 locations from where we have received the highest number of customer bookings:

12. What are the top 5 locations where customers have been dropped off most frequently?

13. Which booking status is most common, and give count of each status?

**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

**SQL\_ANSWERS:**

**VIEW + QUERY**

**# 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\_type as

select Vehicle\_Type, avg(Ride\_Distance) from ola\_booking group by Vehicle\_Type;

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

Create View total\_number\_of\_cancelled\_rides\_by\_customers as

select count( Canceled\_Rides\_by\_Customer) from ola\_booking;

**OR**

select count(\*) from ola\_booking where Booking\_Status='Canceled by Customer’;

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

Create View top\_5\_customers\_who\_booked\_the\_highest\_number\_of\_rides as

select Customer\_ID, count(Booking\_ID) from ola\_booking group by Customer\_ID order by count(Booking\_ID) desc limit 5;

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

Create View rides\_cancel\_by\_driver\_due\_to\_personal\_and\_car\_related\_issues as

select count(\*) from ola\_booking where Canceled\_Rides\_by\_Driver='Personal & Car related issue';

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

Create View max\_and\_min\_driver\_ratings\_for\_Prime\_Sedan as

select max(Driver\_Ratings) as max\_rating, min(Driver\_Ratings) as min\_rating from ola\_booking where Vehicle\_Type='Prime Sedan';

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

Create view Payment\_Method as

select \* from ola\_booking where Payment\_Method='UPI';

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

Create View avg\_cust\_rating\_vehicle\_type as

select Vehicle\_Type,avg(Customer\_Rating) from ola\_booking group by Vehicle\_Type;

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

Create View total\_successful\_ride\_values as

select sum(Booking\_Value) from ola\_booking where Booking\_Status='Success';

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

Create View incomplete\_rides\_along\_with\_the\_reason as

select Booking\_ID,Incomplete\_Rides\_Reason from ola\_booking where Incomplete\_Rides='Yes';

**#11. What are the top 5 locations from where we have received the highest number of customer bookings?**

Create View top\_5\_locations\_no\_of\_booking as

select Pickup\_Location,count(Customer\_ID) from ola\_booking group by Pickup\_Location order by count(Customer\_ID) desc limit 5;

**#12. What are the top 5 locations where customers have been dropped off most frequently?**

Create View top\_5\_dropped\_location as

select Drop\_Location,count(Customer\_ID) from ola\_booking group by Drop\_Location order by count(Customer\_ID) desc limit 5;

**#13. Which booking status is most common, and give count of each status?**

Create View booking\_status\_count as

select Booking\_Status,count(\*) from ola\_booking group by Booking\_Status;

**--------------------------------------------------------------------------------------------------------------------------------------**

**VIEW:**

**1. Retrieve all successful bookings:**

select \* from Successful\_Booking;

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

select \* from ride\_distance\_for\_each\_vehicle\_type;

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

select \* from total\_number\_of\_cancelled\_rides\_by\_customers;

or

select count(\*) from ola\_booking where Booking\_Status='Canceled by Customer';

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

select \* from 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:**

select \* from rides\_cancel\_by\_driver\_due\_to\_personal\_and\_car\_related\_issues;

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

select \* from max\_and\_min\_driver\_ratings\_for\_Prime\_Sedan;

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

select \* from Payment\_Method;

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

select \* from avg\_cust\_rating\_vehicle\_type;

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

select \* from total\_successful\_ride\_values;

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

select \* from incomplete\_rides\_along\_with\_the\_reason;

**11. What are the top 5 locations from where we have received the highest number of customer bookings?**

select \* from top\_5\_locations\_no\_of\_booking;

**12. What are the top 5 locations where customers have been dropped off most frequently?**

select \* from top\_5\_dropped\_location;

**13. Which booking status is most common, and give count of each status?**

select \* from booking\_status\_count;

**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