OLA 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 Answers:

**1. Retrieve all successful bookings:**

Select \* From Successful\_Bookings;

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

Select \* from avg\_ride\_dist\_each\_vehi\_type;

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

Select \* from cancelled\_rides\_by\_customers;

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

Select \* from top\_5\_cust\_highest\_no\_of\_rides;

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

Select \* from rides\_cancelled\_by\_drivers;

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

Select \* from max\_nd\_min\_driver\_rate;

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

Select \* from payment\_by\_upi;

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

Select \* from avg\_cust\_rating;

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

Select \* from total\_book\_ride\_compt\_succ;

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

Select \* from incomplete\_rides;

SQL Questions & Answers

Create Database ola;

Use ola.bookings;

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

Create View Successful\_Bookings As

SELECT \* FROM `ola`.`bookings`

WHERE (`ola`.`bookings`.`Booking\_Status` = Success')

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

Create VIEW `ola`.`avg\_ride\_dist\_each\_vehi\_type` AS

SELECT `ola`.`bookings`.`Vehicle\_Type` AS `Vehicle\_Type`,

AVG(`ola`.`bookings`.`Ride\_Distance`) AS `avg(Ride\_Distance)`

FROM `ola`.`bookings` GROUP BY `ola`.`bookings`.`Vehicle\_Type`;

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

Create VIEW `ola`.`cancelled\_rides\_by\_customers` AS

SELECT COUNT(0) AS `count(\*)`

FROM`ola`.`bookings`

WHERE (`ola`.`bookings`.`Booking\_Status` = 'Canceled by Customer');

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

Create VIEW `ola`.`top\_5\_cust\_highest\_no\_of\_rides` AS

SELECT `ola`.`bookings`.`Customer\_ID` AS `Customer\_ID`,

COUNT(`ola`.`bookings`.`Booking\_ID`) AS `total\_rides`

FROM `ola`.`bookings`

GROUP BY `ola`.`bookings`.`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 `ola`.`rides\_cancelled\_by\_drivers` AS

SELECT COUNT(0) AS `count(\*)`

FROM `ola`.`bookings`

WHERE (`ola`.`bookings`.`Canceled\_Rides\_by\_Driver` = 'Personal & Car related issue');

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

Create VIEW `ola`.`max\_nd\_min\_driver\_rate` AS

SELECT MAX(`ola`.`bookings`.`Driver\_Ratings`) AS `max(Driver\_Ratings)`,

MIN(`ola`.`bookings`.`Driver\_Ratings`) AS `min(Driver\_Ratings)`

FROM `ola`.`bookings`

WHERE (`ola`.`bookings`.`Vehicle\_Type` = 'Prime Sedan')

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

Create VIEW `ola`.`payment\_by\_upi` AS

SELECT COUNT(0) AS `count(\*)`

FROM `ola`.`bookings`

WHERE (`ola`.`bookings`.`Payment\_Method` = 'UPI');

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

Create VIEW `ola`.`avg\_cust\_rating` AS

SELECT `ola`.`bookings`.`Vehicle\_Type` AS `Vehicle\_Type`,

AVG(`ola`.`bookings`.`Customer\_Rating`) AS `avg(Customer\_Rating)`

FROM `ola`.`bookings`

GROUP BY `ola`.`bookings`.`Vehicle\_Type`;

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

Create VIEW `ola`.`total\_book\_ride\_compt\_succ` AS

SELECT SUM(`ola`.`bookings`.`Booking\_Value`) AS `total\_successful\_value`

FROM `ola`.`bookings`

WHERE (`ola`.`bookings`.`Booking\_Status` = 'Success');

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

Create VIEW `ola`.`incomplete\_rides` AS

SELECT `ola`.`bookings`.`Booking\_ID` AS `Booking\_ID`,

`ola`.`bookings`.`Incomplete\_Rides\_Reason` AS `Incomplete\_Rides\_Reason`

FROM `ola`.`bookings`

WHERE (`ola`.`bookings`.`Incomplete\_Rides` = 'YES');

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