



DATA ANALYSIS

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:

QUESTION WITH SOLUTIONS

```
CREATE DATABASE Ola;
```

```
USE Ola;
```

```
-- IMPORT TABLE AND DATASET USING MYSQL WORKBENCH
```

```
-- 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 Average_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 Total_Cancelled_Rides_By_Customers AS
```

```
    SELECT COUNT(*) FROM Bookings
```

```
    WHERE Booking_Status = 'Canceled 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 AS

SELECT COUNT(*) FROM Bookings

WHERE Canceled_Rides_by_Customer ='Personal & Car related issue';

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

Create View Customer_Ratings AS

SELECT MAX(Customer_Rating) AS Max_Rating,

MIN(Customer_Rating) AS Min_Rating

FROM Bookings

WHERE Vehicle_Type = 'Prime Sedan';

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

Create View Rides_Using_UPI AS

SELECT Customer_ID, Payment_Method FROM Bookings

WHERE Payment_Method = 'UPI';

-- 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_Ratings

FROM Bookings

GROUP BY Vehicle_Type;

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

Create View Total_Booking_Value_Of_Successful_Rides AS

SELECT SUM(Booking_Value) AS Total_Booking_Value_Of_Successful_Rides

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';

-- COMPLETED --

Retrieve All Answers

#1. Retrieve all successful bookings:

Select * From Successful_Bookings;

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

Select * from Average_Ride_Distance_For_Each_Vehicle;

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

Select * from Total_Cancelled_Rides_By_Customers;

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

Select * from Top_5_Customers;

#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 Customer_Ratings;

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

Select * from Rides_Using_UPI;

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

Select * from Average_Customer_Rating_Per_Vehicle_Type;

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

Select * from Total_Booking_Value_Of_Successful_Rides;

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

Select * from Incomplete_Rides_Reason;