OLA Data Analyst Project

SQL Questions & Answers

```
Create Database Ola;
Use Ola;
```

#1. Retrieve all successful bookings:

```
CREATE view successful_bookings AS(
SELECT *FROM bookings_1
WHERE Booking_Status="SUCCESS");
```

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

```
CREATE VIEW average_ride_distance AS
(SELECT VEHICLE_TYPE,avg(Ride_Distance) AS average_ride_distance
FROM bookings_1
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_1
WHERE Canceled_Rides_by_Customer IS NOT NULL);
```

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

```
create view 5_highest_number_of_rides as(
SELECT customer_id, count(Customer_ID) as highest_ride
from bookings_1
group by Customer_ID
order by count(Customer_ID) 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_personal_and_car_related_issues as (
select count(*)
 from bookings_1
where Canceled_Rides_by_Driver="Personal & Car related issue");
```

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

```
 create view Driver_Min_Max_Ratings as(
 select min(Driver_Ratings) as Min_Driver_Ratings,max(Driver_Ratings) as
Max_Driver_Ratings
 from bookings_1
 where Vehicle_Type="Prime Sedan")
```

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

```
 create view Payment_Method_UPI as(
 select *
 from bookings_1
 where Payment_Method="UPI");
```

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

```
create view Average_Customer_Rating as(
 select Vehicle_Type,avg(Customer_Rating)as Average_Customer_Rating
 from bookings_1
 group by Vehicle_Type);
```

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

```
 create view Total_Booking_Values as(
 select sum(Booking_Value) as Total_Booking_Value
 from bookings_1
 where Booking_Status="Success");
```

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

```
create view Incomplete_Rides_With_Reason as(
 select Booking_ID,Incomplete_Rides_Reason
 from bookings_1
 where Incomplete_Rides="Yes");
```

OLA Data Analyst Project

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;
```

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 5_highest_number_of_rides;
```

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

```
select * from rides_cancelled_by_drivers_personal_and_car_related_issues;
```

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

```
select * from Driver_Min_Max_Ratings;
```

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

```
select * from Payment_Method_UPI;
```

8. Find the average customer rating per vehicle type:

```
select * from Average_Customer_Rating;
```

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

```
select * from Total_Booking_Values;
```

10. List all incomplete rides along with the reason:

```
select * from Incomplete_Rides_With_Reason;
```