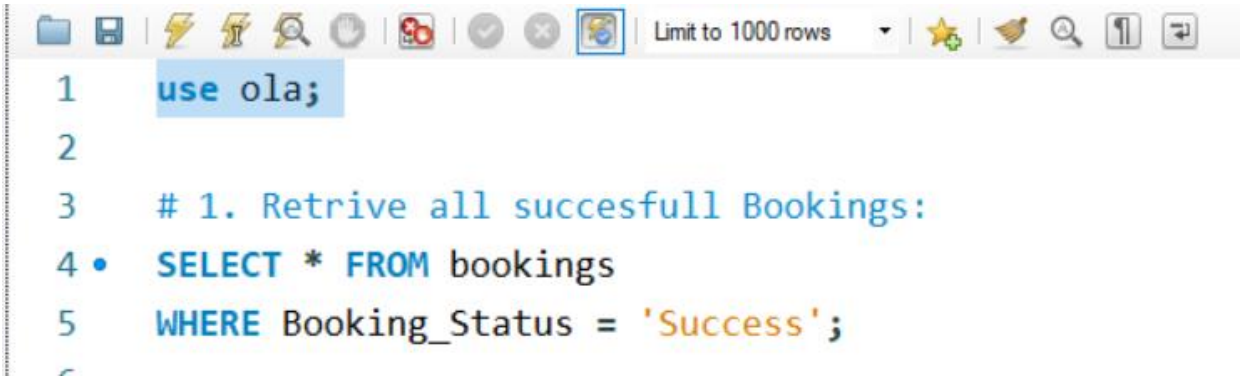
OLA Project

SQL Questions:

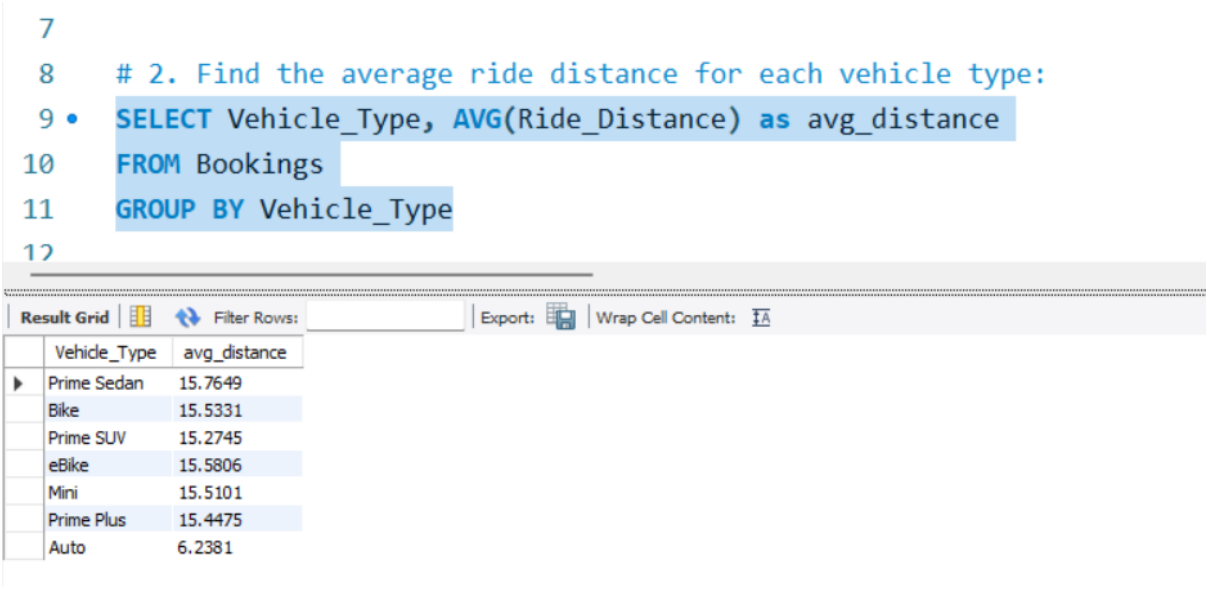
1. Retrieve all successful bookings:



```sql
use ola;

# 1. Retrive all succesfull Bookings:
SELECT * FROM bookings
WHERE Booking_Status = 'Success';
```

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



```sql
# 2. Find the average ride distance for each vehicle type:
SELECT Vehicle_Type, AVG(Ride_Distance) as avg_distance
FROM Bookings
GROUP BY Vehicle_Type
```

Vehicle_Type	avg_distance
Prime Sedan	15.7649
Bike	15.5331
Prime SUV	15.2745
eBike	15.5806
Mini	15.5101
Prime Plus	15.4475
Auto	6.2381

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

```
14    # 3. Get the total number of cancelled rides by customers:
15
16 •  SELECT COUNT(*) FROM bookings
17    WHERE Booking_Status = 'canceled by Customer';
18
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

COUNT(*)
10499

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

```
24    4. List the top 5 customers who booked the highest number of rides:
25    SELECT Customer_ID, COUNT(Booking_ID) as total_rides
26    FROM bookings
27    GROUP BY Customer_ID
28    ORDER BY total_rides DESC LIMIT 5;
29
30
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

Customer_ID	total_rides
CID954071	5
CID539191	4
CID189965	4
CID268274	4
CID952434	4

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

```
34
35    # 5. Get the number of rides cancelled by drivers due to personal and car-related
36 •  SELECT COUNT(*)
37    FROM bookings
38    WHERE Canceled_Rides_by_Driver = 'Personal & Car related issue';
39
40
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

COUNT(*)
6542

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

```
40  6. Find the maximum and minimum driver ratings for Prime Sedan bookings:
41  SELECT MAX(Driver_Ratings) as max_rating,
42  MIN(Driver_Ratings) as min_rating
43  FROM bookings WHERE Vehicle_Type = 'Prime Sedan';
44
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

max_rating	min_rating
5	3

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

```
46  7. Retrieve all rides where payment was made using UPI:
47  SELECT * FROM bookings
48  WHERE Payment_Method = 'UPI';
49
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

Date	Time	Booking_ID	Booking_Status	Customer_ID	Vehicle_Type	Pickup_Location	Drop_Location	V_TAT	C_TAT	Canceled_Rides_by_Cust
2024-07-30 19:59:00	19:59:00	CNR2982357879	Success	CID270156	Prime SUV	Sahakar Nagar	Varthur	238	130	NULL
2024-07-13 4:42:00	04:42:00	CNR8787177882	Success	CID802429	Mini	Kadugodi	Vijayanagar	231	90	NULL
2024-07-27 13:18:00	13:18:00	CNR4524472111	Success	CID540929	Auto	Cox Town	Yelahanka	126	35	NULL
2024-07-16 9:54:00	09:54:00	CNR4524472111	Success	CID167642	Bike	Indiranagar	MG Road	70	95	NULL
2024-07-02 10:25:00	10:25:00	CNR8090918544	Success	CID640151	Bike	Magadi Road	HSR Layout	126	95	NULL
2024-07-09 11:11:00	11:11:00	CNR9975925287	Success	CID162055	Prime SUV	Magadi Road	RT Nagar	42	30	NULL

8. Find the average customer rating per vehicle type:

```
51  # 8. Find the average customer rating per vehicle type:
52  SELECT Vehicle_Type, AVG(Customer_Rating) as avg_customer_rating
53  FROM bookings
54  GROUP BY Vehicle_Type;
55
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Vehicle_Type	avg_customer_rating
Prime Sedan	4.001588655506982
Bike	3.993376395883525
Prime SUV	3.999377501111586
eBike	3.98785403050109
Mini	3.9977312970341075
Prime Plus	4.009498622589555
Auto	3.998810952329009

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

```
63  # 9. Calculate the total booking value of rides completed successfully:
64  SELECT SUM(Booking_Value) as total_successful_ride_value
65  FROM bookings
66  WHERE Booking_Status = 'Success';
67
68
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

total_successful_ride_value
35080467

10. List all incomplete rides along with the reason:

```
72  # 10. List all incomplete rides along with the reason:
73  SELECT Booking_ID, Incomplete_Rides_Reason
74  FROM bookings
75  WHERE Incomplete_Rides = 'Yes';
76
77
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

Booking_ID	Incomplete_Rides_Reason
CNR5176704322	Customer Demand
CNR9312632867	Vehicle Breakdown
CNR7924302885	Customer Demand
CNR1640228587	Other Issue
CNR7623690602	Other Issue
CNR9590311980	Customer Demand
CNR5863244684	Customer Demand
CNR9526078867	Customer Demand