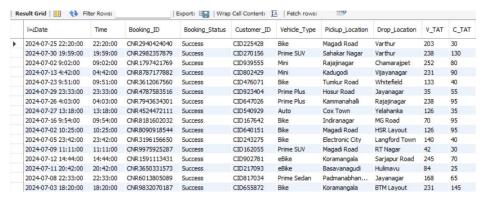


OLA SQL DATA ANALYST PROJECT

SQL Questions:

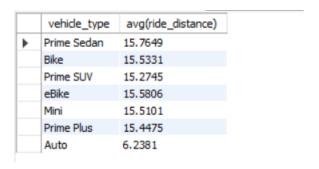
1) Retrieve all successful bookings:

select * from bookings
where booking_status = "success";



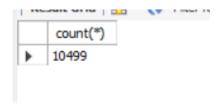
2) Find the average ride distance for each vehicle type:

select vehicle_type, avg(ride_distance) from bookings group by vehicle_type;



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

select count(*) from bookings
where booking status = "canceled by customer";



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

select customer_id, count(booking_id) as total_rides from bookings group by customer_id order by total_rides desc limit 5;

	customer_id	total_rides
•	CID954071	5
	CID539191	4
	CID 189965	4
	CID268274	4
	CID952434	4

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

select * from bookings
where canceled_rides_by_driver = "personal & car related issue";

	ï≫ċDate	Time	Booking_ID	Booking_Status	Customer_ID	Vehide_Type	Pickup_Location	Drop_Location
•	2024-07-26 14:00:00	14:00:00	CNR7153255142	Canceled by Driver	CID713523	Prime Sedan	Tumkur Road	RT Nagar
	2024-07-11 11:12:00	11:12:00	CNR5374902489	Canceled by Driver	CID735691	Prime Plus	Bannerghatta Road	Sarjapur Road
	2024-07-18 1:31:00	01:31:00	CNR6328453219	Canceled by Driver	CID907133	Auto	RT Nagar	Varthur
	2024-07-17 18:55:00	18:55:00	CNR3914552212	Canceled by Driver	CID557845	Auto	Hosur Road	Banashankari
	2024-07-14 11:37:00	11:37:00	CNR7592165192	Canceled by Driver	CID863704	Prime SUV	Rajarajeshwari Nagar	HSR Layout
	2024-07-22 0:21:00	00:21:00	CNR8346388703	Canceled by Driver	CID680143	Mini	Magadi Road	BTM Layout
	2024-07-09 21:32:00	21:32:00	CNR7368110421	Canceled by Driver	CID372218	Mini	Peenya	Sarjapur Road
	2024-07-12 12:38:00	17:38:00	CND 5043217856	Canceled by Driver	CID208306	Auto	Sarianur Doad	Chamarainet

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

select max(driver_ratings) as max_ratings,
min(driver_ratings) as min_ratings from bookings
where vehicle_type = "prime sedan";



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

select * from bookings
where payment_method = "upi";

Booking_Value	Payment_Method	Ride_Distance	Driver_Ratings	Customer_Rating
386	UPI	40	4.2	4.8
173	UPI	41	3.4	4.6
330	UPI	8	3	4.8
378	UPI	18	4.8	4.1
343	UPI	23	3.7	3.6
343	UPI	17	3	3.8
286	UPI	44	4	3.3
141	LIDT	35	47	3 1

8) Find the average customer rating per vehicle type:

select vehicle_type, avg(customer_rating) from bookings
group by vehicle_type;

	vehicle_type	avg(customer_rating)
١	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:

select sum(booking_value) from bookings
where booking status = "success";



10) List all incomplete rides along with the reason:

select booking_id, incomplete_rides_reason from bookings
where incomplete_rides = "yes";

	booking_id	incomplete_rides_reason	
١	CNR5176704322	Customer Demand	
	CNR9312632867	Vehicle Breakdown	
	CNR 7924302885	Customer Demand	
	CNR 1640228587	Other Issue	
	CNR7623690602	Other Issue	
	CNR9590311980	Customer Demand	
	CNR5863244684	Customer Demand	
	CNR9526078867	Customer Demand	
	CNR7154043084	Customer Demand	

----- retrieve all answers -----

```
--- Q. Retrieve all successful bookings:
select * from successful bookings;
--- Q. Find the average ride distance for each vehicle type:
select * from ride distance for each vehicle;
--- Q. Get the total number of cancelled rides by customers:
select * from canceled ride by customers;
--- Q. List the top 5 customers who booked the highest number of rides:
select * from top_5_customers;
--- Q. Get the number of rides cancelled by drivers due to personal and car-related issues:
select * from canceled_by_p_c_issue;
--- Q. Find the maximum and minimum driver ratings for Prime Sedan bookings:
select * from max and min driving rating;
--- Q. Retrieve all rides where payment was made using UPI:
select * from payment method upi;
--- Q. Find the average customer rating per vehicle type:
select * from avg customer rating per vehicle;
--- Q. Calculate the total booking value of rides completed successfully:
select * from total successful booking value;
--- Q. List all incomplete rides along with the reason:
select * from incomplete rides reason;
```