



OLA SQL DATA ANALYST  
PROJECT

## SQL Questions :

### 1) Retrieve all successful bookings:

```
select * from bookings
where booking_status = "success" ;
```

	InDate	Time	Booking_ID	Booking_Status	Customer_ID	Vehicle_Type	Pickup_Location	Drop_Location	V_TAT	C_TAT
▶	2024-07-25 22:20:00	22:20:00	CNR2940424040	Success	CID225428	Bike	Magadi Road	Varthur	203	30
	2024-07-30 19:59:00	19:59:00	CNR2982357879	Success	CID270156	Prime SUV	Sahakar Nagar	Varthur	238	130
	2024-07-02 9:02:00	09:02:00	CNR1797421769	Success	CID939555	Mini	Rajajinagar	Chamerajpet	252	80
	2024-07-13 4:42:00	04:42:00	CNR8787177882	Success	CID802429	Mini	Kadugodi	Vijayanagar	231	90
	2024-07-23 9:51:00	09:51:00	CNR3612067560	Success	CID476071	Bike	Tumkur Road	Whitefield	133	40
	2024-07-29 23:33:00	23:33:00	CNR4787583516	Success	CID923404	Prime Plus	Hosur Road	Jayanagar	35	55
	2024-07-26 4:03:00	04:03:00	CNR7943634301	Success	CID647026	Prime Plus	Kammanahalli	Rajajinagar	238	95
	2024-07-27 13:18:00	13:18:00	CNR4524472111	Success	CID540929	Auto	Cox Town	Yelahanka	126	35
	2024-07-16 9:54:00	09:54:00	CNR8181602032	Success	CID167642	Bike	Indiranagar	MG Road	70	95
	2024-07-02 10:25:00	10:25:00	CNR8090918544	Success	CID640151	Bike	Magadi Road	HSR Layout	126	95
	2024-07-05 23:42:00	23:42:00	CNR3196156650	Success	CID243275	Bike	Electronic City	Langford Town	140	40
	2024-07-09 11:11:00	11:11:00	CNR9975925287	Success	CID162055	Prime SUV	Magadi Road	RT Nagar	42	30
	2024-07-12 14:44:00	14:44:00	CNR1591113431	Success	CID902781	eBike	Koramangala	Sarjapur Road	245	70
	2024-07-11 20:42:00	20:42:00	CNR3650331573	Success	CID217093	eBike	Basavanagudi	Hulimavu	84	25
	2024-07-08 22:33:00	22:33:00	CNR6013805089	Success	CID817034	Prime Sedan	Padmanabhan...	Jayanagar	168	65
	2024-07-03 18:20:00	18:20:00	CNR9832070187	Success	CID655872	Bike	Koramangala	BTM Layout	231	145

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

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

	vehicle_type	avg(ride_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:

```
select count(*) from bookings
where booking_status = "canceled by customer";
```

	count(*)
▶	10499

### 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;
```

Result Grid			Filter 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:

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

	i=Date	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	12:38:00	CNR5043217855	Canceled by Driver	CID798305	Auto	Sarjapur Road	Chamarajpet

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";
```

Result Grid			Filter Rows:
	max_ratings	min_ratings	
▶	5	3	

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	UPI	35	4.7	3.1

8) Find the average customer rating per vehicle type:

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

	vehide_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:

```
select sum(booking_value) from bookings  
where booking_status = "success";
```

	sum(booking_value)
▶	35080467

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
▶	CNR5176704322	Customer Demand
	CNR9312632867	Vehicle Breakdown
	CNR7924302885	Customer Demand
	CNR1640228587	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;
```