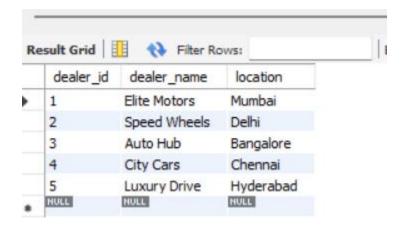
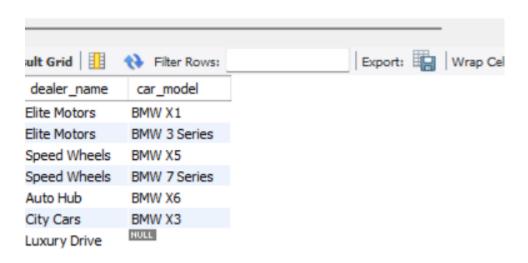
LEFT JOIN



	sale_id	car_model	dealer_id	sale_amount	sale_date
•	101	BMW X1	1	4200000.00	2025-06-12
	102	BMW X5	2	8500000.00	2025-06-18
	103	BMW 3 Series	1	5200000.00	2025-07-02
	104	BMW X3	4	6400000.00	2025-07-10
	105	BMW 7 Series	2	12000000.00	2025-08-01
	106	BMW X6	3	9800000.00	2025-08-12
	NULL	NULL	NULL	NULL	NULL

1. Display all dealers and the cars they sold.

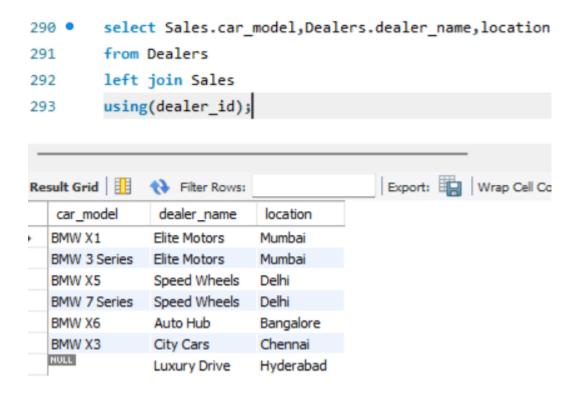
- select dealer_name,car_model from Dealers
- l left join Sales
- on Dealers.dealer_id=Sales.dealer_id;



2. Show all dealers, even if they didn't sell any cars(replace NULL with 'No Sale').

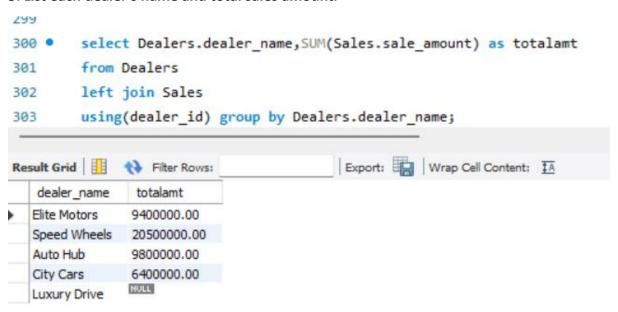
```
284 •
         select *, ifnull(car_model, "No Sale")
         from Dealers
285
         left join Sales
286
         using(dealer_id);
287
                                           Export: Wrap Cell Content: TA
ifnull(car_model, "No
   dealer_id dealer_name
                                    sale_id car_model
                                                         sale_amount sale_date
                          location
                                                                                 Sale")
                         Mumbai
                                    101
                                           BMW X1
                                                        4200000.00
                                                                     2025-06-12
                                                                                BMW X1
            Elite Motors
                                                        5200000.00
            Elite Motors
                         Mumbai
                                    103
                                           BMW 3 Series
                                                                    2025-07-02
                                                                                BMW 3 Series
  2
            Speed Wheels
                         Delhi
                                    102
                                           BMW X5
                                                        8500000.00
                                                                    2025-06-18
                                                                                BMW X5
  2
           Speed Wheels Delhi
                                    105
                                           BMW 7 Series 12000000.00 2025-08-01 BMW 7 Series
  3
            Auto Hub
                         Bangalore
                                    106
                                           BMW X6
                                                        9800000.00
                                                                    2025-08-12
                                                                                BMW X6
                                    104
                                           BMW X3
                                                        6400000.00 2025-07-10 BMW X3
            City Cars
                       Chennai
                                   HULL
  5
            Luxury Drive
                         Hyderabad
                                                                                No Sale
```

3. Display car models along with their dealer names and locations.



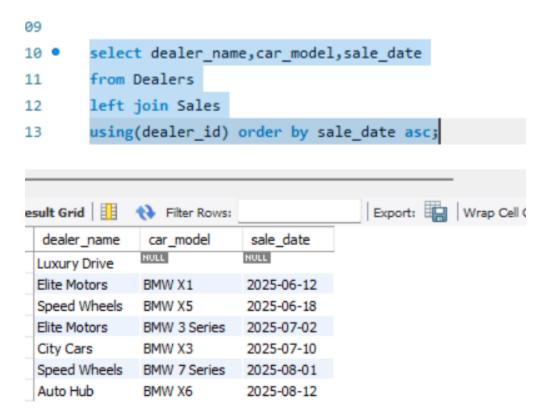
4. Find all dealers who haven't made any sales yet.

5. List each dealer's name and total sales amount.

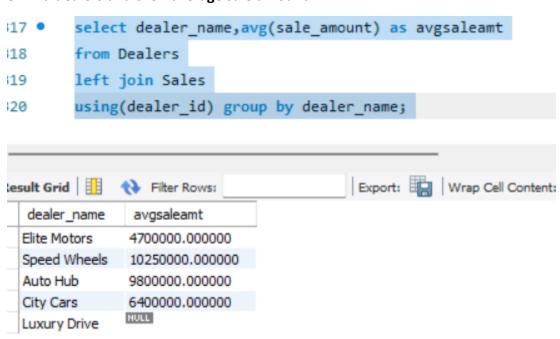


6. Display all cars sold by 'Speed Wheels'.

7. Show dealer names with car models and sale dates (sorted by sale_date).



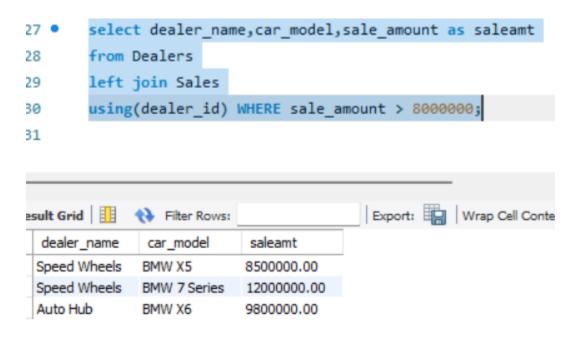
8. Find dealers and their average sale amount.



9. Show dealer names with the count of cars sold.

```
select dealer_name,count(car_model) as carsold
322
        from Dealers
323
        left join Sales
324
        using(dealer_id) group by dealer_name;
325
                                           Export: Wrap Cell Cont
Result Grid
             Filter Rows:
  dealer_name
               carsold
  Elite Motors
  Speed Wheels
               2
  Auto Hub
               1
  City Cars
               1
  Luxury Drive
```

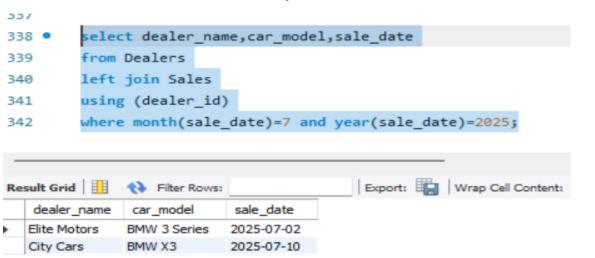
10. Display dealer name, car model, and sale amount for sales above ₹8,000,000.



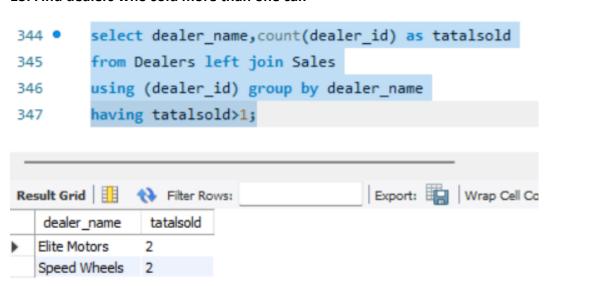
11. List all car models and replace dealer name with 'Not Assigned' if NULL.

```
select dealer_name,ifnull(car_model,"Not Assigned") as car_model
        from Dealers
333
334
        left join Sales
        using (dealer_id);
335
Export: Wrap Cell Content: IA
   dealer_name
              car_model
  Elite Motors
               BMW X1
  Elite Motors
              BMW 3 Series
  Speed Wheels
              BMW X5
  Speed Wheels BMW 7 Series
  Auto Hub
              BMW X6
  City Cars
              BMW X3
  Luxury Drive
              Not Assigned
```

12. Show dealer names and cars sold in July 2025.



13. Find dealers who sold more than one car.



14. Display all dealers with their total and average sales using LEFT JOIN and GROUP BY.

```
349
         select dealer_name,ifnull(sum(sale_amount),0) as total_sales,
         ifnull(avg(sale_amount),0) as average_sales
350
         from Dealers left join Sales using (dealer_id)
351
         group by dealer name;
352
                                            Export: Wrap Cell Content: IA
Result Grid
               Filter Rows:
   dealer_name
                total_sales
                             average_sales
  Elite Motors
                             4700000.000000
                9400000.00
  Speed Wheels 20500000.00
                            10250000.000000
  Auto Hub
                9800000.00
                            9800000.000000
  City Cars
               6400000.00 6400000.000000
  Luxury Drive
                0.00
                            0.000000
```

15. Show all dealers along with their latest sale date (or 'No Sales Yet' if none).

