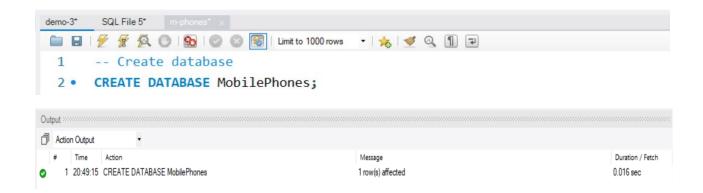
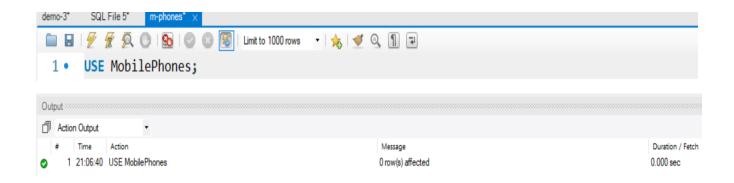
## **MOBILE PHONES - CASE STUDY**



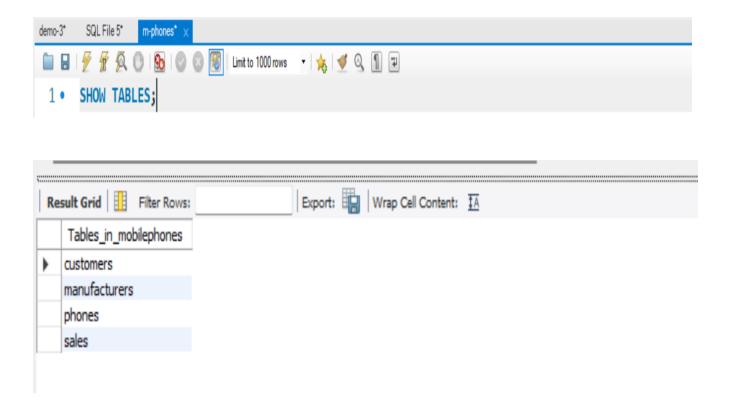
- Create a new database in my SQL work bench
- ✓ **Syntax:** Create database Mobilephones;



- Use the database which we have created
- ✓ **Syntax:** Use MobilePhones;



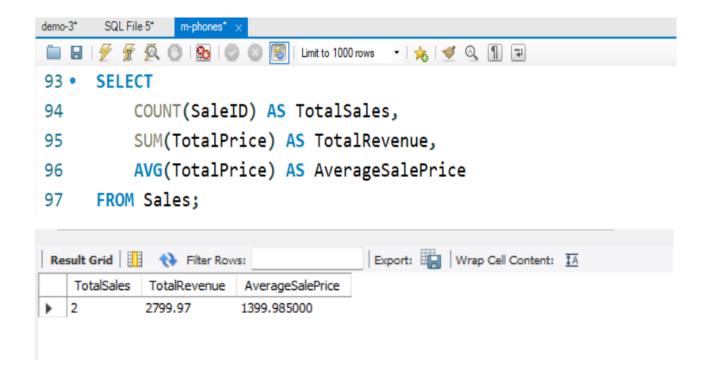
- Create a tables
- ✓ **Syntax:** Show tables;



• The tables are Create successfully we can see the tables in the Database **MobilePhones**.

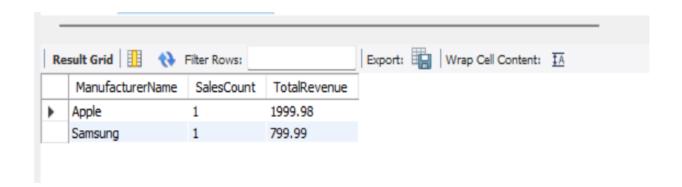
# **CASE STUDY QUESTIONS**

1. Aggregate functions: Get total sales and average price?

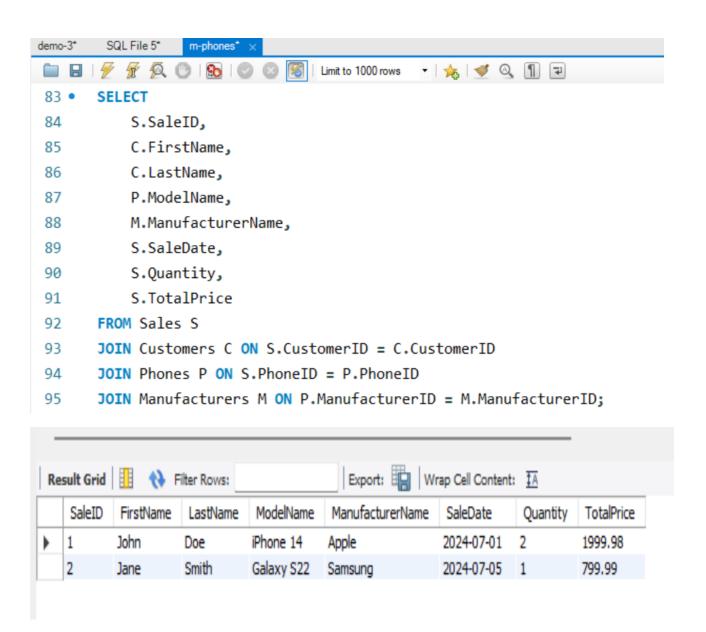


2. Group by: Get total sales per manufacturer?

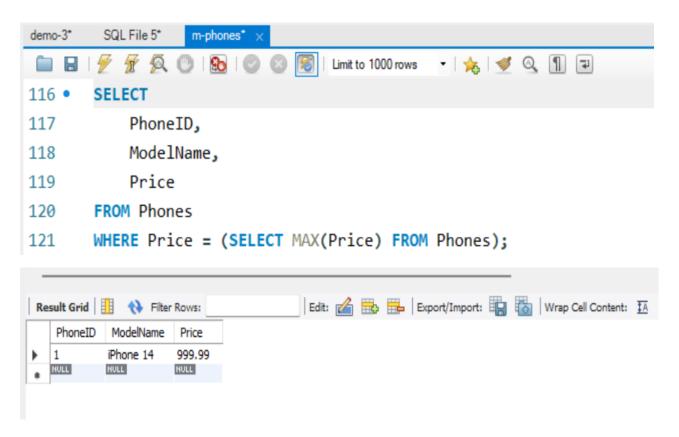
```
🚞 🖥 | 🐓 🙀 👰 🔘 | 🟡 | 💿 🔞 | 🔞 | Limit to 1000 rows 🔻 | 鴂 | 🥩 🔍 🗻
100 •
      SELECT
101
          M.ManufacturerName,
          COUNT(S.SaleID) AS SalesCount,
102
           SUM(S.TotalPrice) AS TotalRevenue
103
      FROM Sales S
104
      JOIN Phones P ON S.PhoneID = P.PhoneID
105
106
      JOIN Manufacturers M ON P.ManufacturerID = M.ManufacturerID
      GROUP BY M.ManufacturerName;
107
```



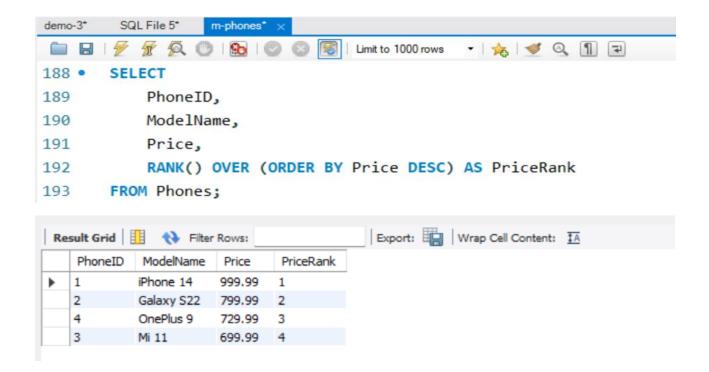
3. Query to join tables and display sales information?



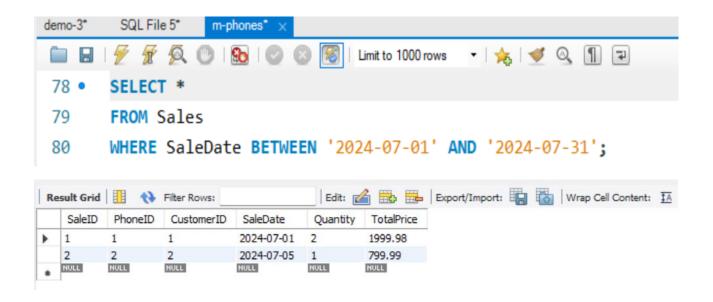
4. Subquery: Get the most expensive phone?



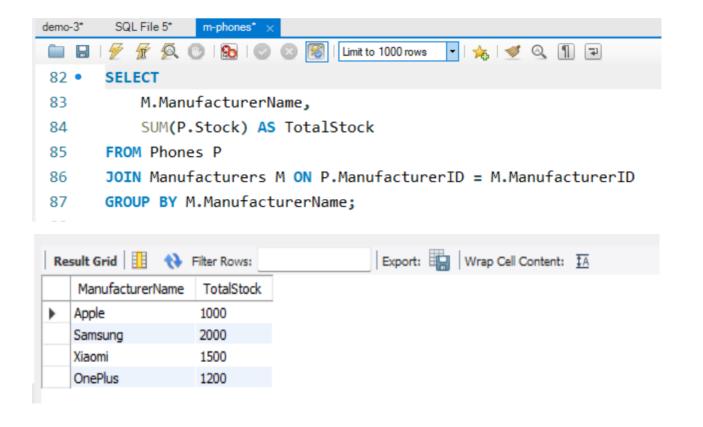
5. Window function: Rank phones by price?



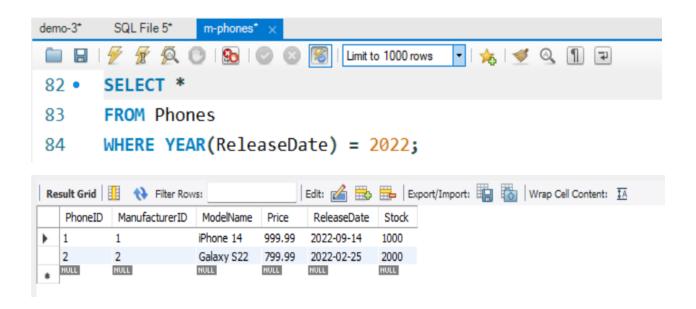
6. How can find all sales made in july 2024?



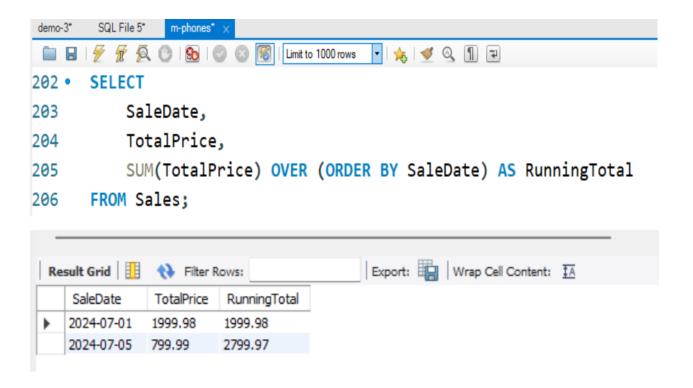
7. How can fine the number of phones in stock for each manufacturer?



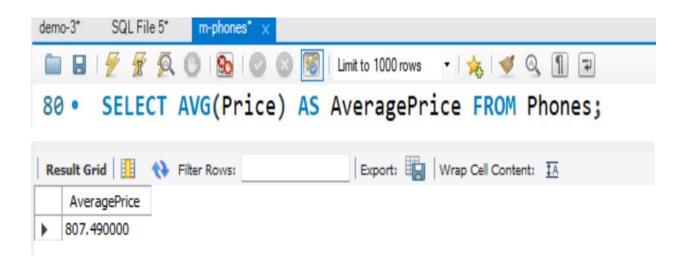
8. Using Where details of all phones released in 2022?



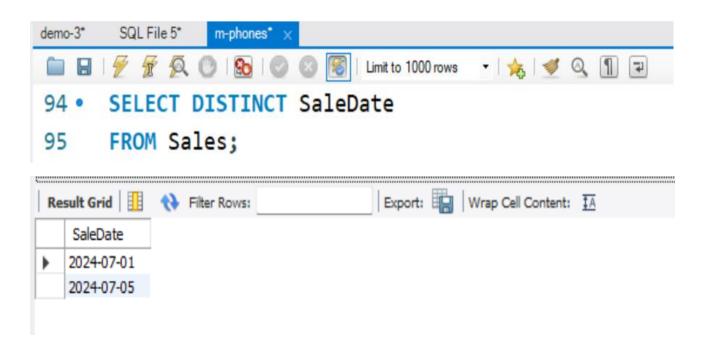
9. Window function: Calculate running total of sales by date?



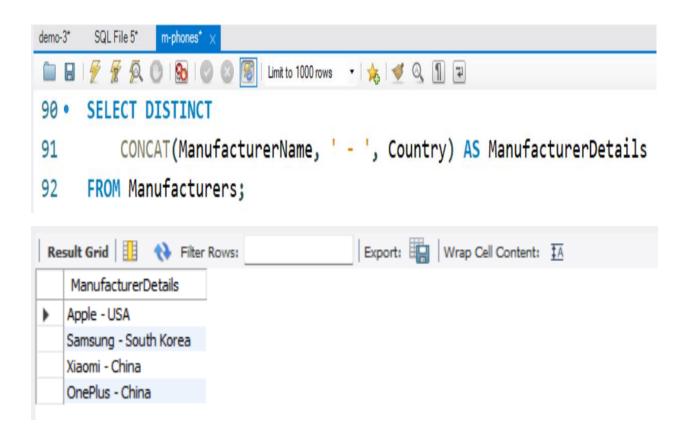
10. Fine the average price of all phones in the Phone table?



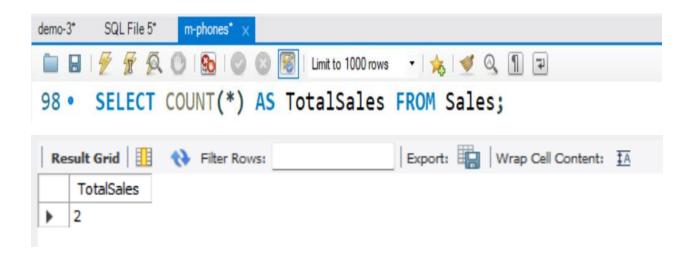
11. Using Distinct unique sales dates?



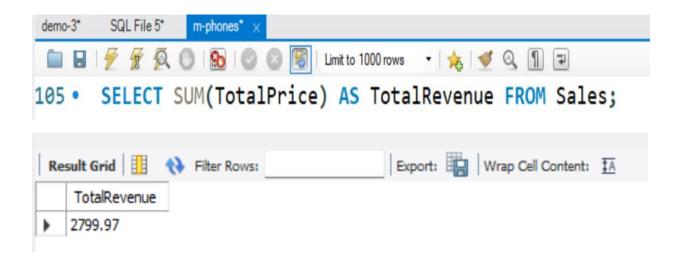
#### 12. Using Distinct and concat Function?



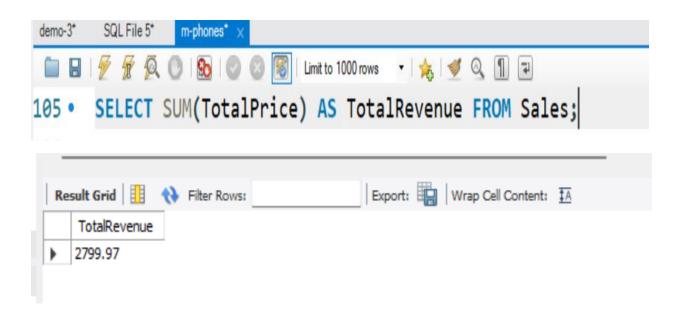
#### 13. Using Count function to find the total?



#### 14. Using Sum function to find the totalPrice?



15. Using Avg function to find the AveragePrice?



### 16. Using where to find the Phone ReleaseDate 2022?

