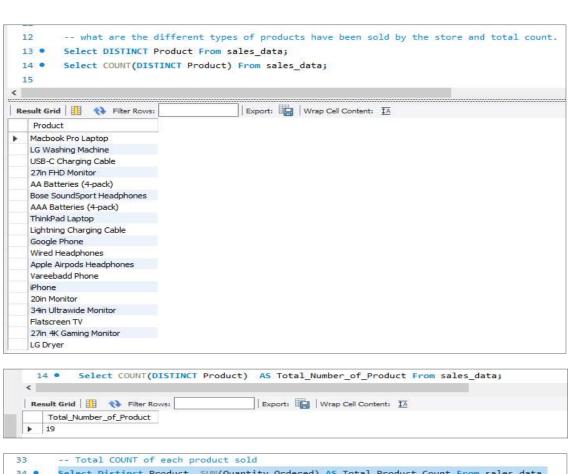
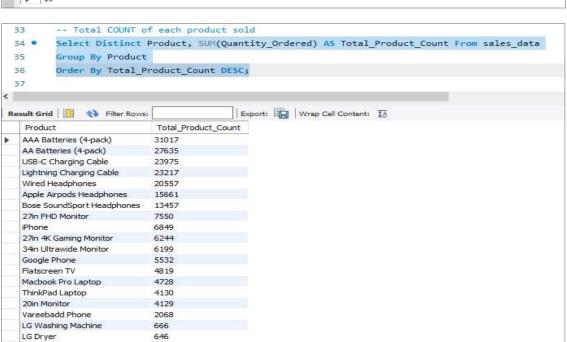
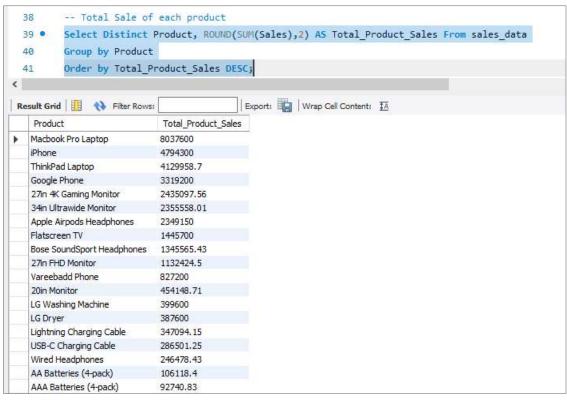
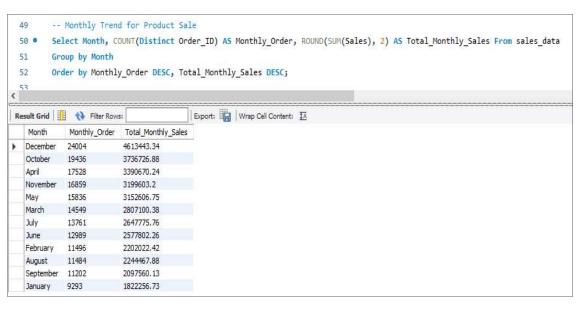
```
CREATE DATABASE salesdb;
USE salesdb;
Select * From sales data;
SHOW columns from sales_data;
UPDATE sales_data
SET Order_Date = STR_TO_DATE(Order_Date, '%d-%m-%Y %H:%i');
ALTER TABLE sales_data
MODIFY COLUMN Order_Date DATETIME;
ALTER TABLE sales_data
DROP COLUMN Hour;
Select Order_Date From sales_data
Where Order_Date is NULL;
UPDATE sales_data
SET Month = CASE
 WHEN Month = '1' THEN 'January'
 WHEN Month = '2' THEN 'February'
 WHEN Month = '3' THEN 'March'
 WHEN Month = '4' THEN 'April'
 WHEN Month = '5' THEN 'May'
 WHEN Month = '6' THEN 'June'
 WHEN Month = '7' THEN 'July'
 WHEN Month = '8' THEN 'August'
 WHEN Month = '9' THEN 'September'
 WHEN Month = '10' THEN 'October'
 WHEN Month = '11' THEN 'November'
 WHEN Month = '12' THEN 'December'
END;
```

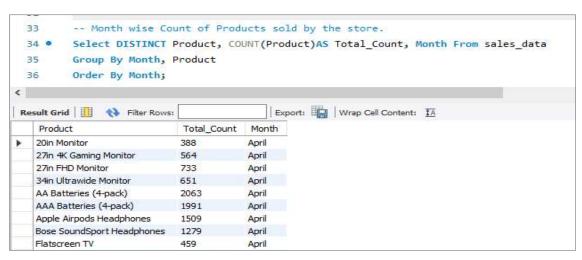


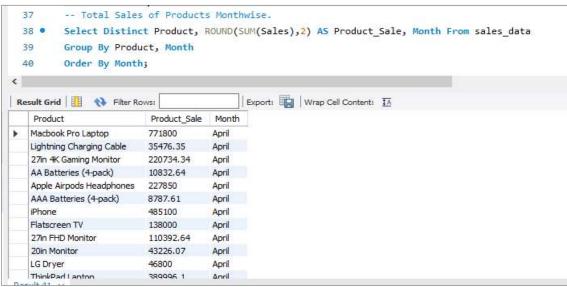




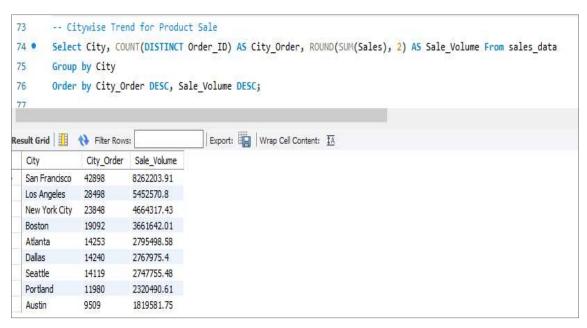


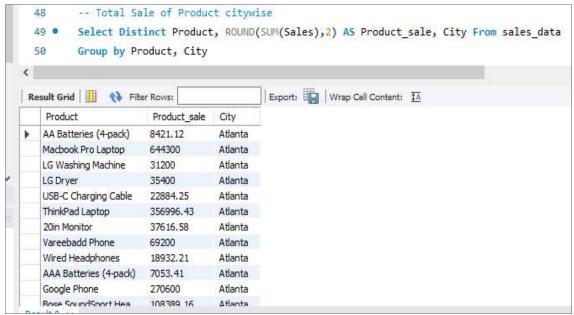




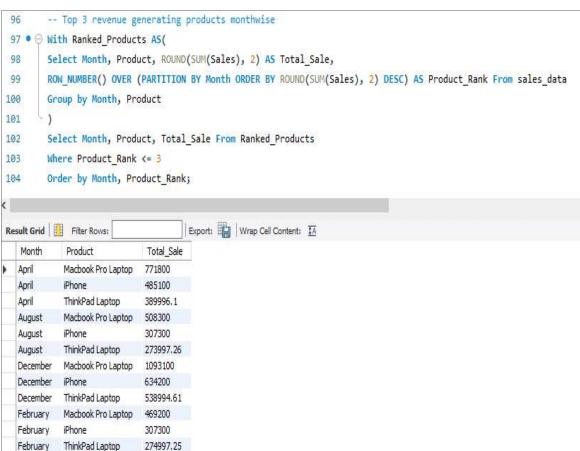


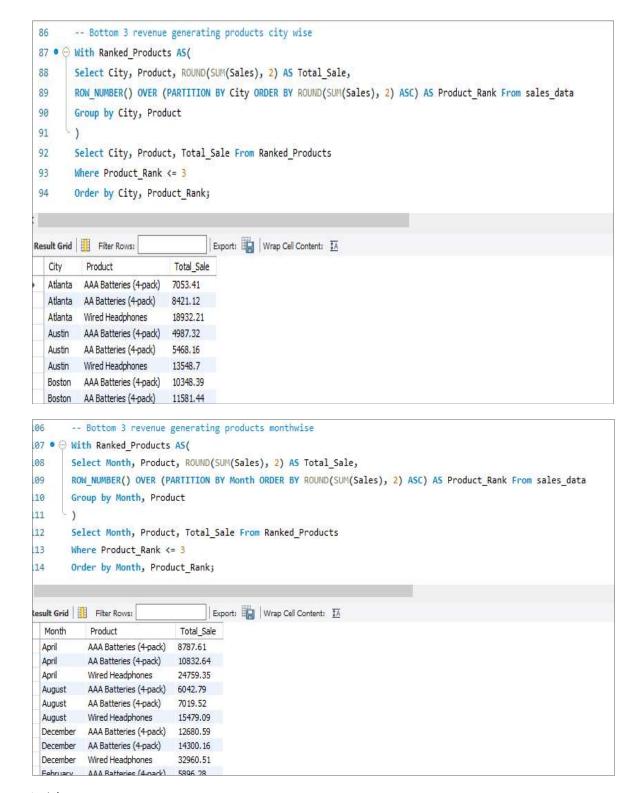






```
76
        -- Top 3 revenue generating products city wise
77 • ⊝ With Ranked_Products AS(
         Select City, Product, ROUND(SUM(Sales), 2) AS Total_Sale,
78
79
         ROW NUMBER() OVER (PARTITION BY City ORDER BY ROUND(SUM(Sales), 2) DESC) AS Product Rank From sales data
        Group by City, Product
80
81
82
         Select City, Product, Total_Sale From Ranked_Products
83
        Where Product Rank <= 3
84
        Order by City, Product Rank;
Result Grid Filter Rows:
                                       Export: Wrap Cell Content: IA
   City
           Product
                            Total_Sale
          Macbook Pro Laptop
                            644300
  Atlanta
                            380800
   Atlanta
          iPhone
   Atlanta ThinkPad Laptop
                            356996.43
   Austin
          Macbook Pro Laptop 426700
   Austin
          iPhone
                            263900
   Austin ThinkPad Laptop 209997.9
  Boston Macbook Pro Laptop 814300
  Boston iPhone
                            527100
  Boston ThinkPad Laptop
                            446995.53
  Dallas Macbook Pro Laptop 649400
  Dallas iPhone
                            363300
  Dallas ThinkPad Laptop
                            344996.55
  Los An... Macbook Pro Laptop 1276700
  Los An... iPhone
                            782600
96
         -- Top 3 revenue generating products monthwise
```





## Insights:

- It is found that in the month of December, the number of orders reaches to **24004**, which is the maximum with the highest sales volume of **\$4613443.34** in the year. And the minimum number of orders is **9293**, which is observed in the month of January with the lowest sales volume of **\$1822256.73** in the same year. It shows that in the winter season and mostly during the time of Christmas, product sale increases.
- San Francisco city has contributed the most to revenue with the order number 42898 and an elite sales volume of \$8262203.91 whereas Austin city has the least contribution to the revenue with 9509 orders amounting to \$1819581.75 of sales volume in the year. Hence, management has to give more focus to the market of Austin to enhance revenue from the city.
- MacBook Pro Laptop, iPhone and ThinkPad Laptop are the most revenue generating products whereas AAA
  Batteries (4-pack), AA Batteries (4-pack) and Wired Headphones are the least revenue generating products
  across the cities.