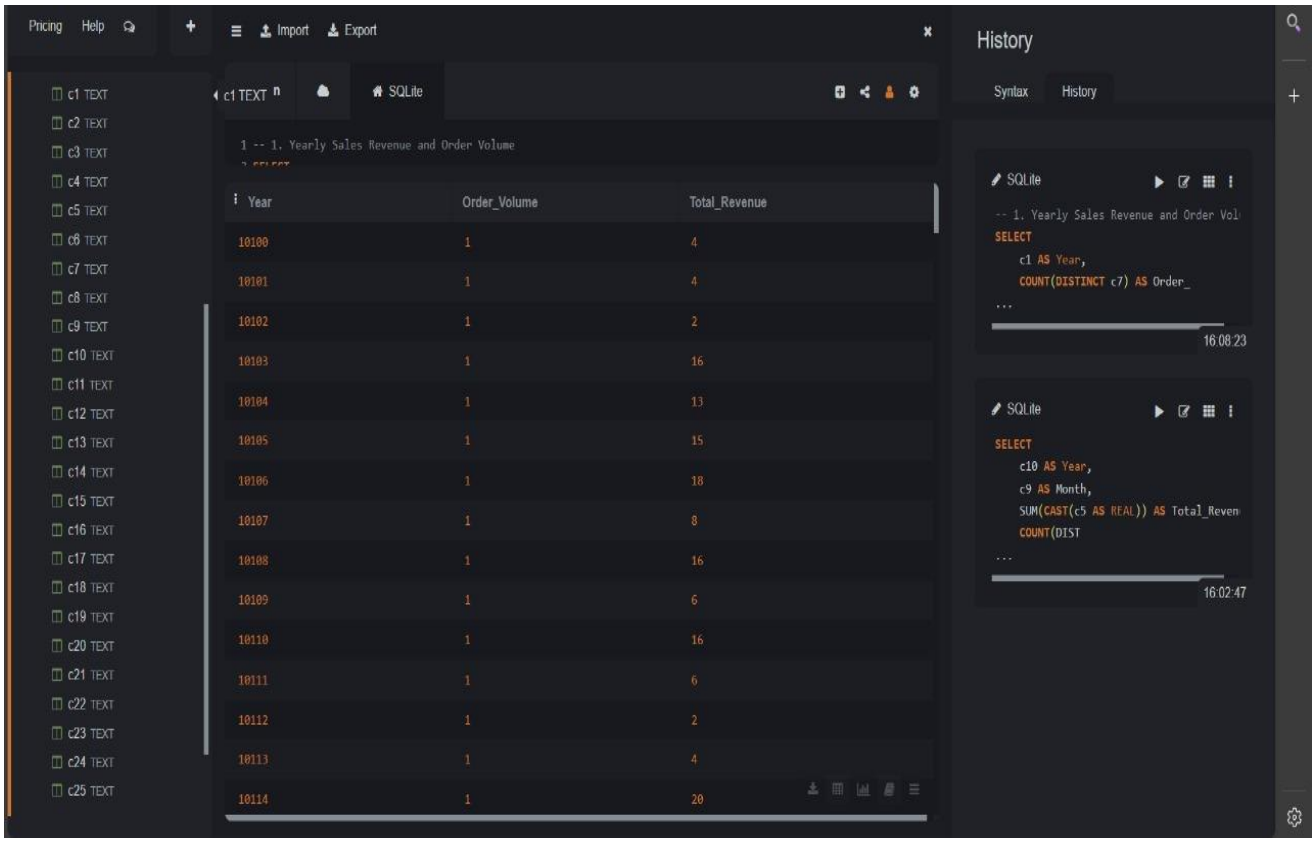
SQL Queries for Sales Data Analysis

1. Total Revenue and Order Volume per Month and Year

```
SELECT
    c10 AS Year,
    c9 AS Month,
    SUM(CAST(c5 AS REAL)) AS Total_Revenue,
    COUNT(DISTINCT c1) AS Order_Volume
FROM sales_data_sample
GROUP BY c10, c9
ORDER BY c10, c9;
```

Output:

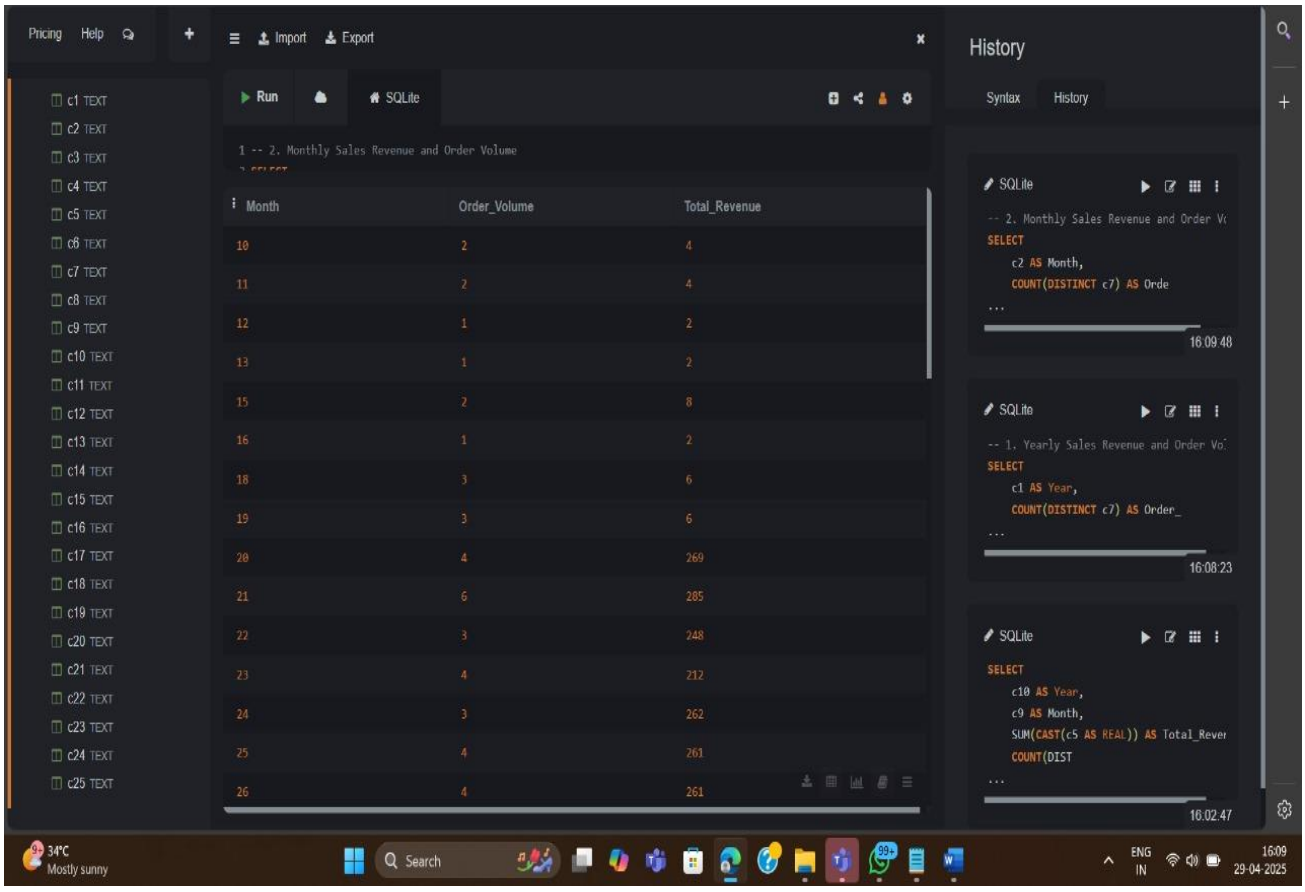


BY SHASHANK MISHRA

2. Total Sales by Product Line

```
SELECT
    c11 AS Product_Line,
    SUM(CAST(c5 AS REAL)) AS Total_Sales
FROM sales_data_sample
GROUP BY c11
ORDER BY Total_Sales DESC;
```

Output:

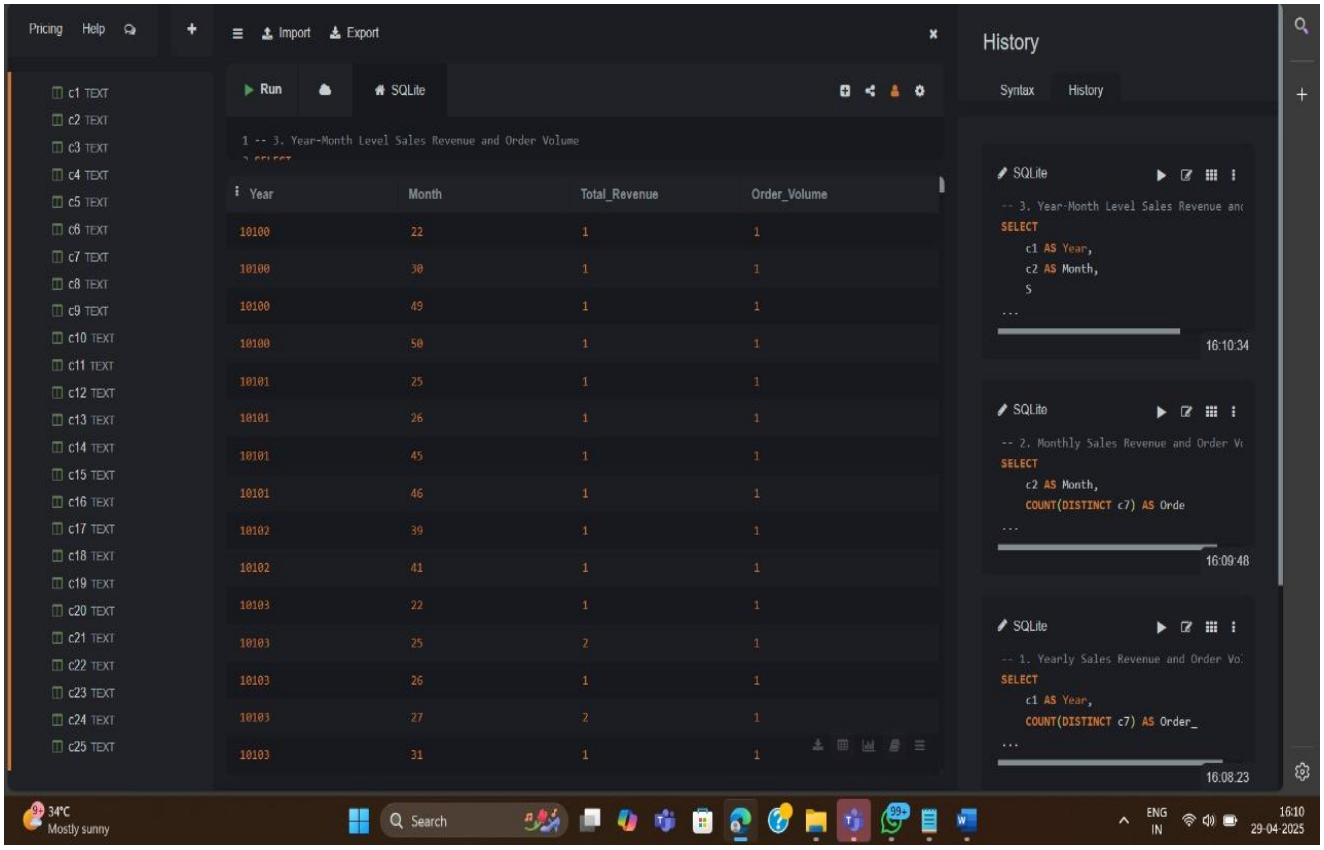


BY SHASHANK MISHRA

3. Number of Orders by Country

```
SELECT
    c21 AS Country,
    COUNT(DISTINCT c1) AS Total_Orders
FROM sales_data_sample
GROUP BY c21
ORDER BY Total_Orders DESC;
```

Output:

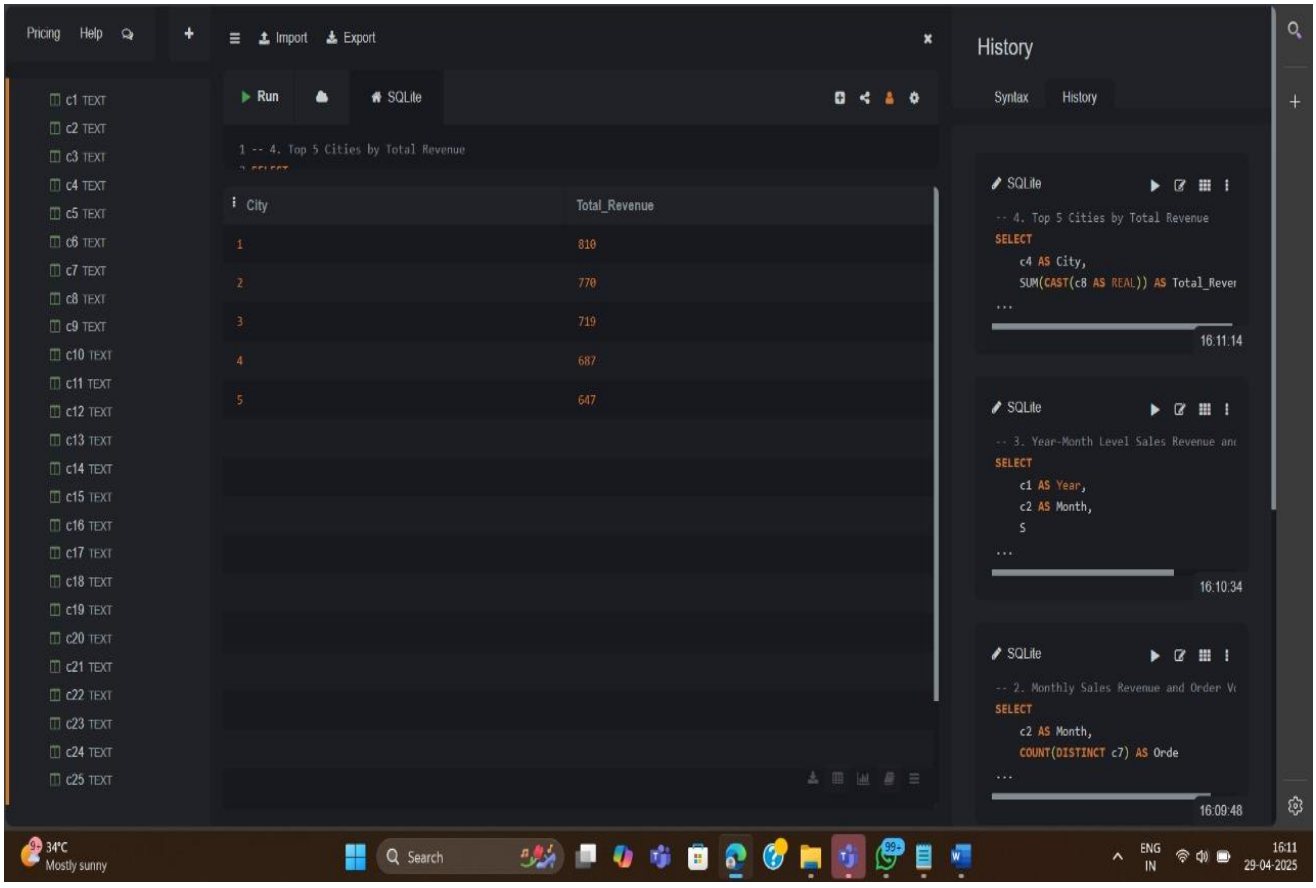


BY SHASHANK MISHRA

4. Revenue by Deal Size

```
SELECT
    c24 AS Deal_Size,
    SUM(CAST(c5 AS REAL)) AS Total_Revenue
FROM sales_data_sample
GROUP BY c24
ORDER BY Total_Revenue DESC;
```

Output:

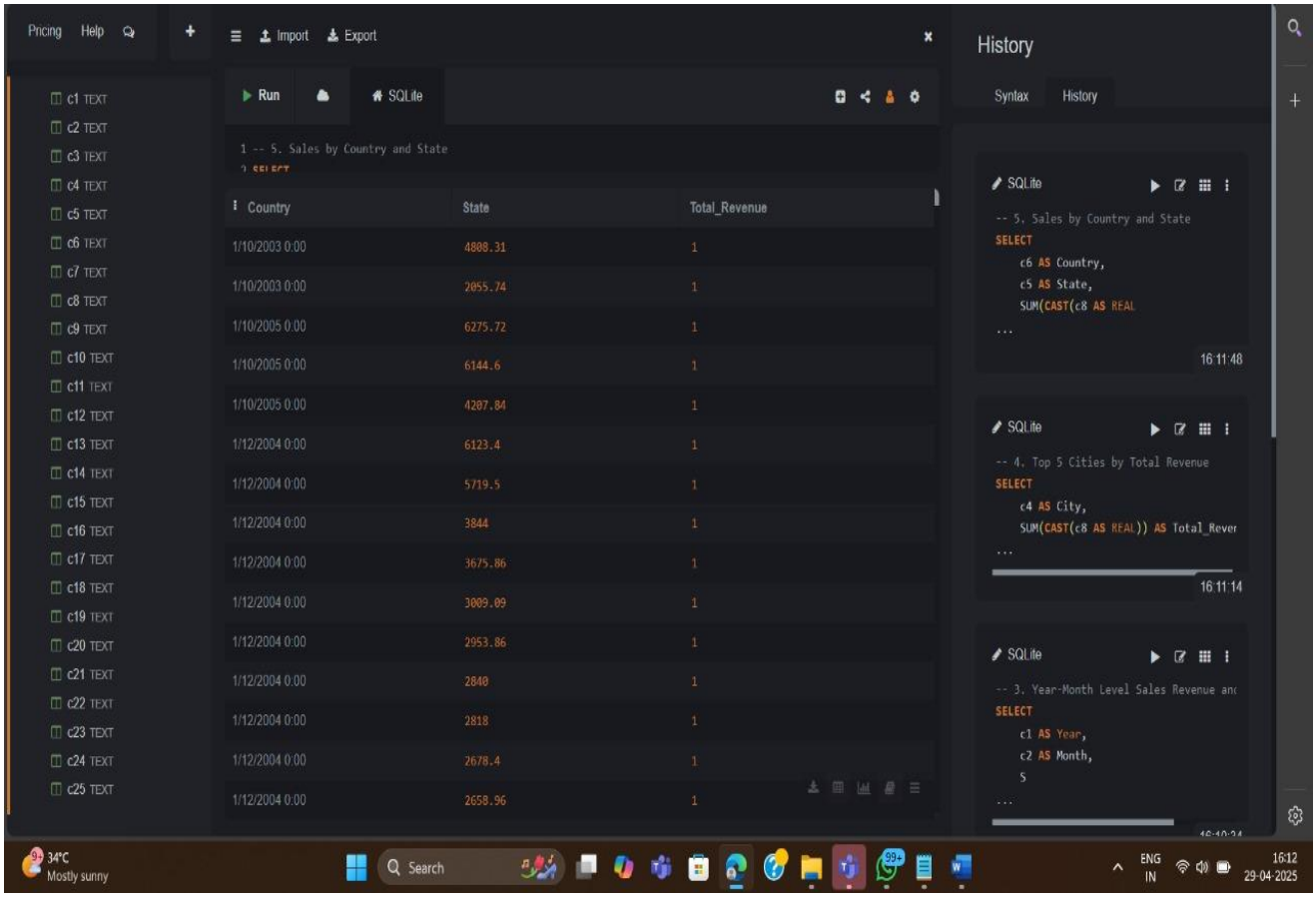


BY SHASHANK MISHRA

5. Monthly Sales Trend for Each Year

```
SELECT
    c10 AS Year,
    c9 AS Month,
    SUM(CAST(c5 AS REAL)) AS Total_Sales
FROM sales_data_sample
GROUP BY c10, c9
ORDER BY c10, c9;
```

Output:

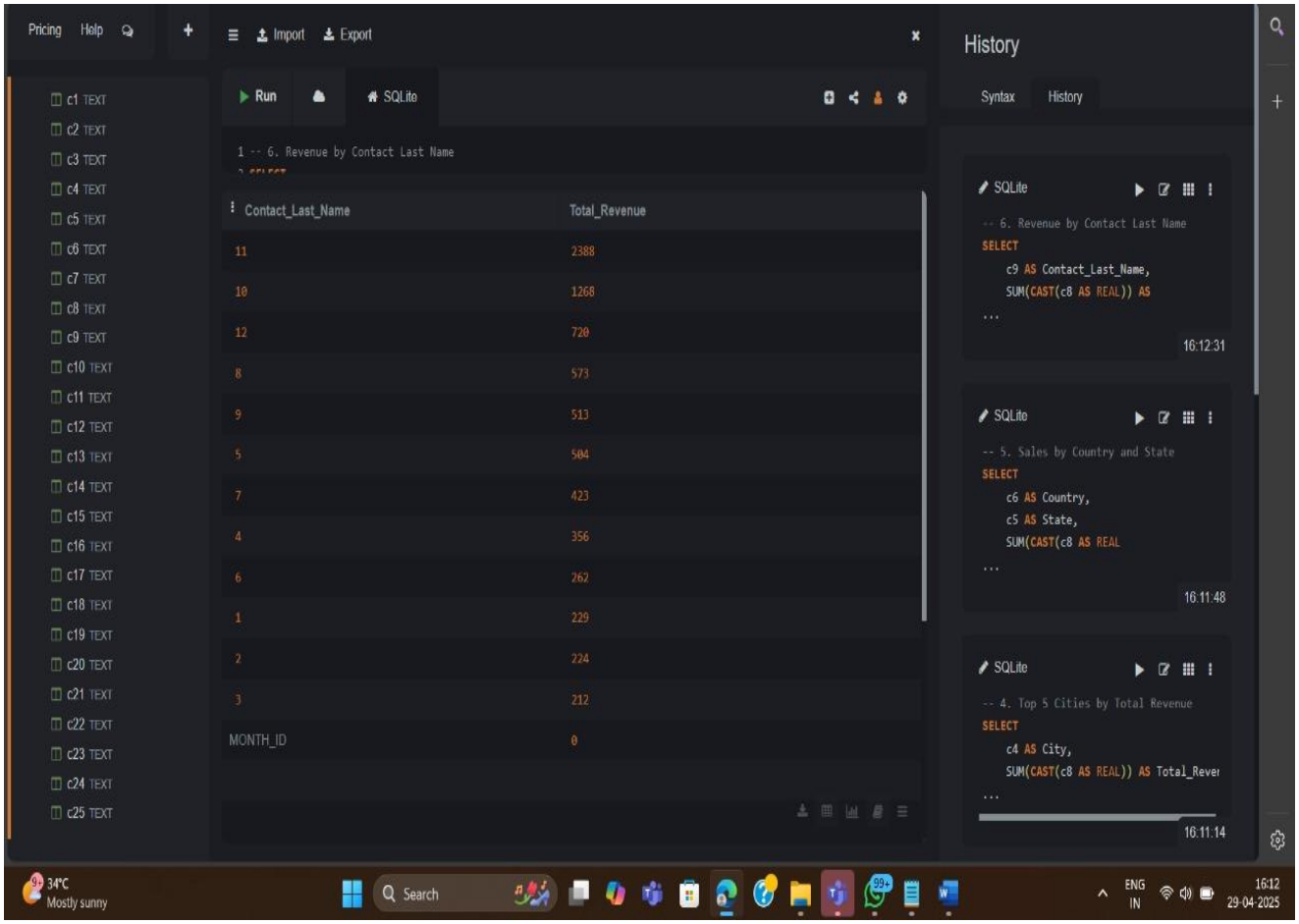


BY SHASHANK MISHRA

6. Top 5 Cities by Sales

```
SELECT
    c18 AS City,
    SUM(CAST(c5 AS REAL)) AS Total_Sales
FROM sales_data_sample
GROUP BY c18
ORDER BY Total_Sales DESC
LIMIT 5;
```

Output:

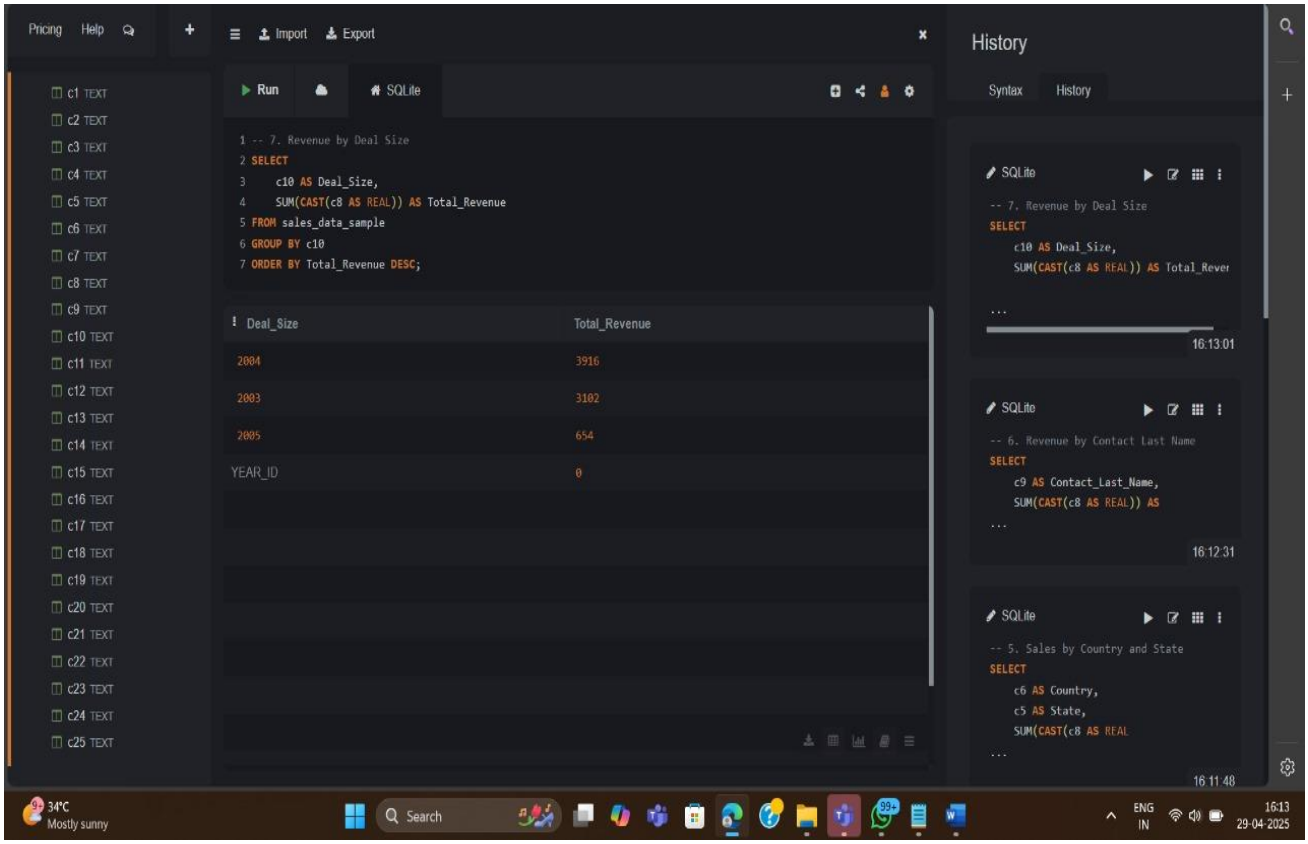


BY SHASHANK MISHRA

7. Product Line Performance by Year

```
SELECT
    c10 AS Year,
    c11 AS Product_Line,
    SUM(CAST(c5 AS REAL)) AS Total_Sales
FROM sales_data_sample
GROUP BY c10, c11
ORDER BY c10, Total_Sales DESC;
```

Output:



BY SHASHANK MISHRA