**Database Creation**

CREATE DATABASE IF NOT EXISTS task6\_sales;

USE task6\_sales;

CREATE TABLE online\_sales (

order\_id INT,

order\_date DATE,

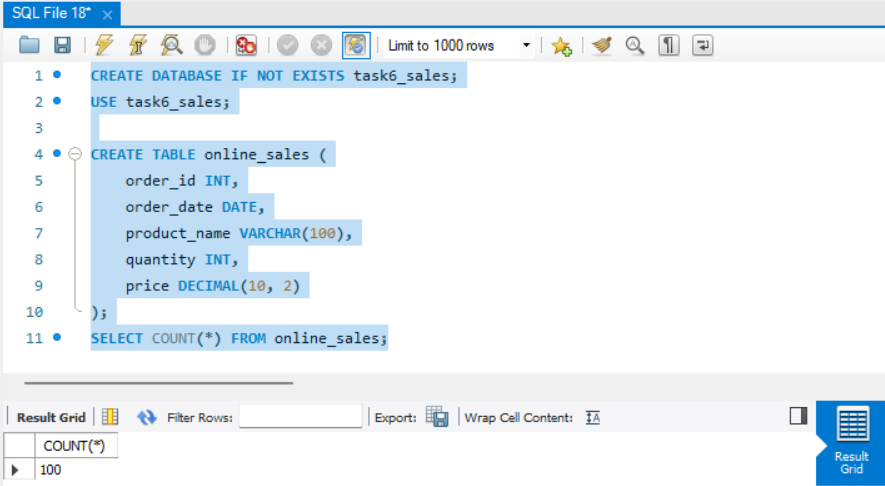
product\_name VARCHAR(100),

quantity INT,

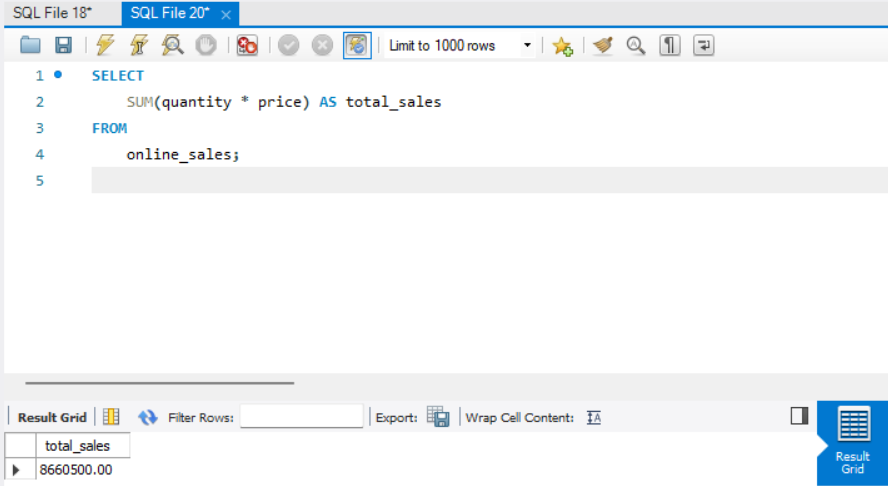
price DECIMAL(10, 2)

);

SELECT COUNT(\*) FROM online\_sales;



**✅ Query 1: Total Sales Amount**

****

SELECT

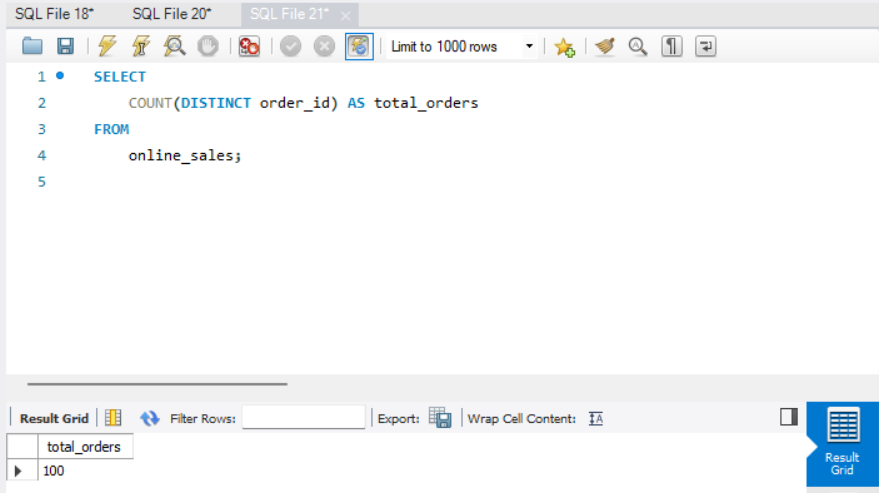
SUM(quantity \* price) AS total\_sales

FROM

online\_sales;

📌 **Insight:** This query calculates the total revenue generated from all online sales. It multiplies quantity with price for each record and sums them up.

**✅ Query 2: Total Orders**



SELECT

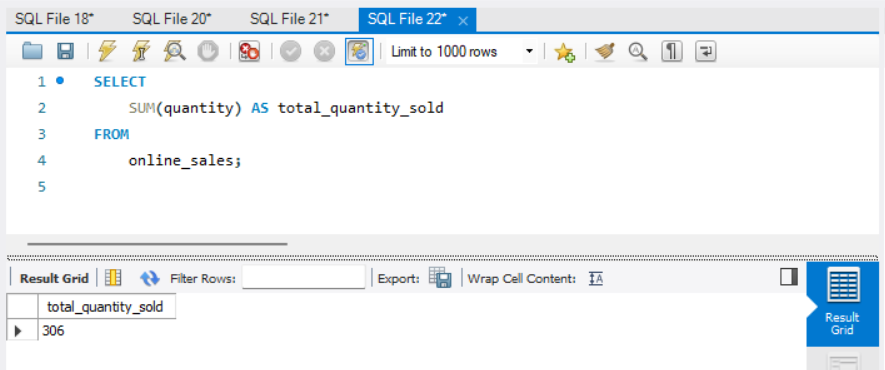
COUNT(DISTINCT order\_id) AS total\_orders

FROM

online\_sales;

📌 **Insight:** This gives the number of unique orders in the dataset. Helps understand the volume of transactions.

**✅ Query 3: Total Quantity Sold**



SELECT

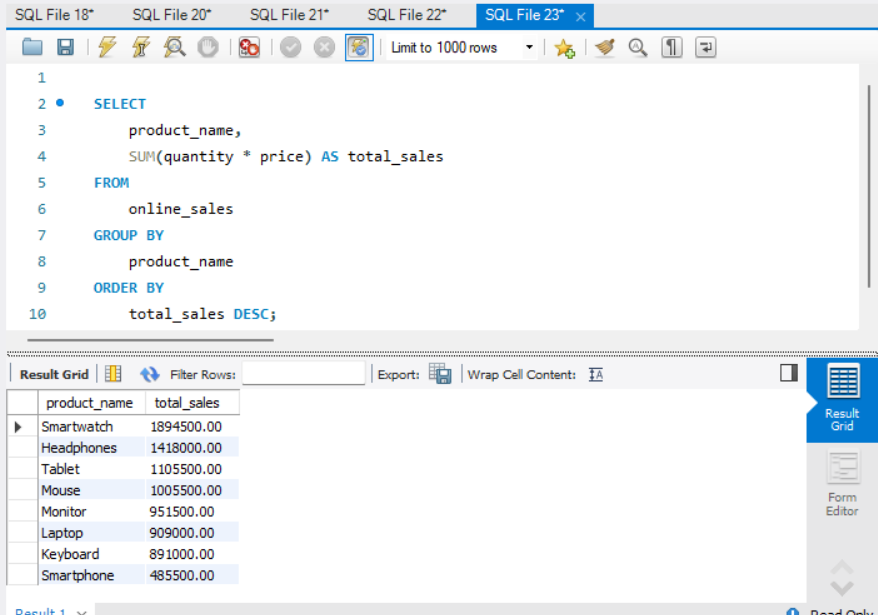
SUM(quantity) AS total\_quantity\_sold

FROM

online\_sales;

📌 **Insight:** This query shows how many total items were sold. Useful for inventory or sales volume analysis.

**✅ Query 4: Sales by Product**



SELECT

product\_name,

SUM(quantity \* price) AS total\_sales

FROM

online\_sales

GROUP BY

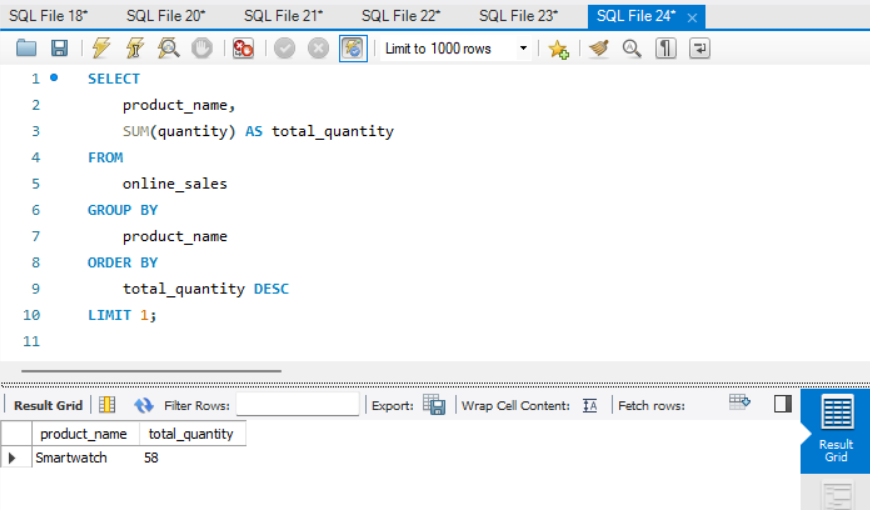
product\_name

ORDER BY

total\_sales DESC;

📌 **Insight:** This shows which products generated the most revenue. Use it to identify top performers.

**✅ Query 5: Most Sold Product (by Quantity)**



SELECT

product\_name,

SUM(quantity) AS total\_quantity

FROM

online\_sales

GROUP BY

product\_name

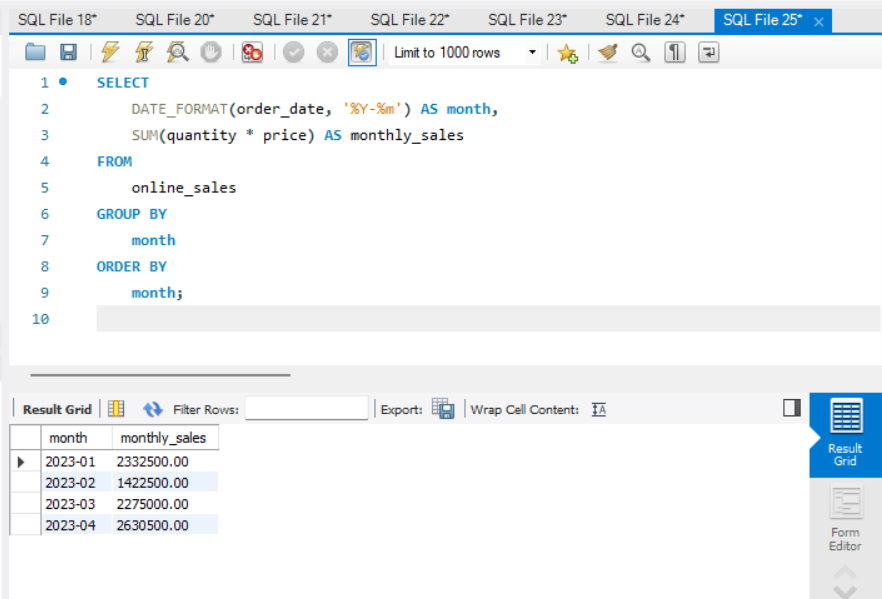
ORDER BY

total\_quantity DESC

LIMIT 1;

📌 **Insight:** Finds the most sold product based on quantity. It might not be the most profitable but is in high demand.

**✅ Query 6: Monthly Sales Trend**



SELECT

DATE\_FORMAT(order\_date, '%Y-%m') AS month,

SUM(quantity \* price) AS monthly\_sales

FROM

online\_sales

GROUP BY

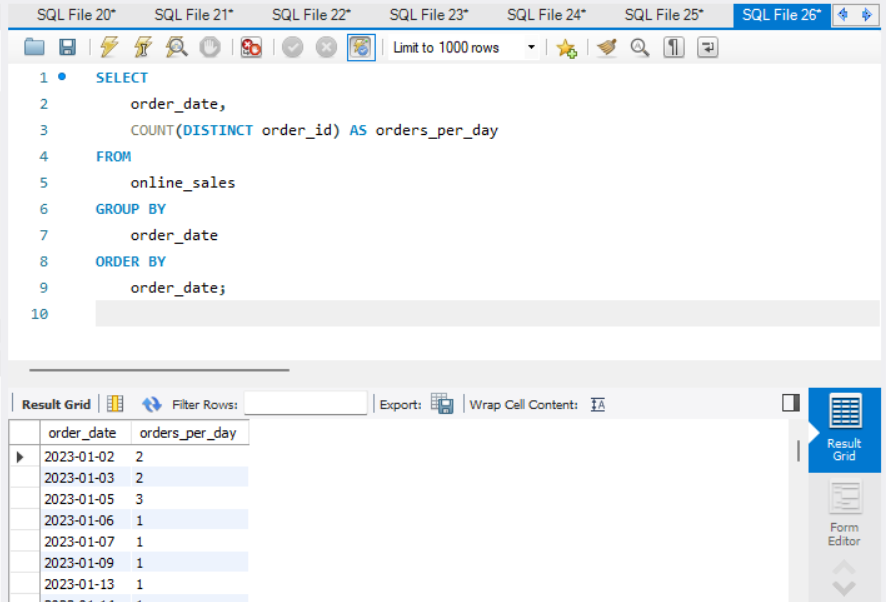
month

ORDER BY

month;

📌 **Insight:** Shows month-wise total sales, useful to identify sales trends over time.

**✅ Query 7: Daily Orders**

****

SELECT

order\_date,

COUNT(DISTINCT order\_id) AS orders\_per\_day

FROM

online\_sales

GROUP BY

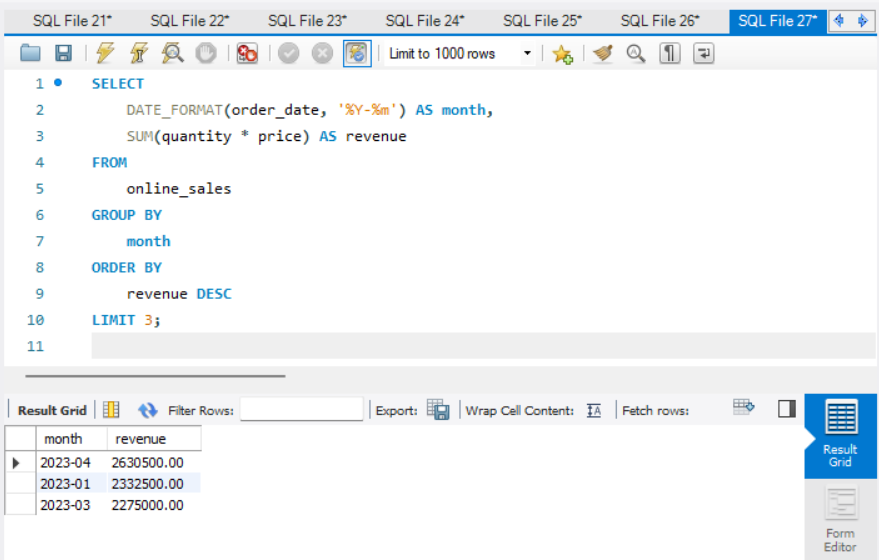
order\_date

ORDER BY

order\_date;

📌 **Insight:** This helps to analyze daily activity — can spot busy vs. slow days.

**Query 8: Top 3 Months by Revenue**



SELECT

DATE\_FORMAT(order\_date, '%Y-%m') AS month,

SUM(quantity \* price) AS revenue

FROM

online\_sales

GROUP BY

month

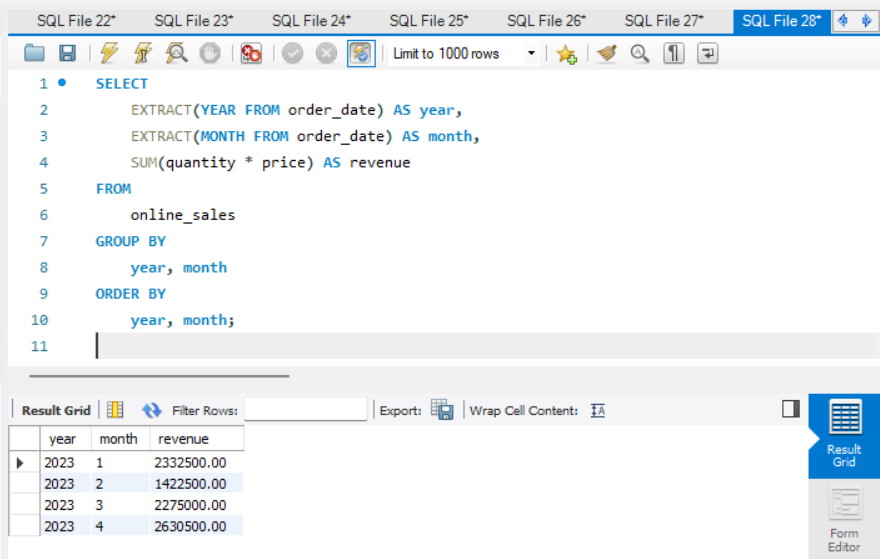
ORDER BY

revenue DESC

LIMIT 3;

📌 **Insight:** This shows the top 3 months where sales were highest. Very helpful for identifying peak business periods.

**Query 9: Using EXTRACT**

****

SELECT

EXTRACT(YEAR FROM order\_date) AS year,

EXTRACT(MONTH FROM order\_date) AS month,

SUM(quantity \* price) AS revenue

FROM

online\_sales

GROUP BY

year, month

ORDER BY

year, month;

📌 **Insight:** This query breaks sales down by year and month using SQL's EXTRACT() function.