TASK 6: Sales Trend Analysis Using Aggregations

Step 1: Create a table

```
Pricing
         Help
                                         Import
                                                     ≛ Export
                                      ▶ Run

★ SQLite

This is only available with a paid
subscription.
                                      1 CREATE TABLE online_sales (
                                            order_id INTEGER PRIMARY KEY,
                                            order_date TEXT,
■ SQLite
                                            amount REAL,
                                            product_id INTEGER
  🖺 🎎 0.1.4 beta (Mem...
                                     6);
  Table
  ⊞ demo
  m online_sales
   Column
   order id INTEGER

  □ order_date TEXT

    □ amount REAL

☐ product id INTEGER

✓ MariaDB
```

Step 2: Insert Data

```
■ 1 Import № Export
                                                                                                                                                                                              ▶ Run
                                                                                                                                                                                                                                                                                                                   This is only available with a paid
subscription.
                                                                                                                                                                                         8 INSERT INTO online_sales (order_id, order_date, amount, product_id) VALUES
                                                                                                                                                                                           9 (1, '2024-01-03', 120.50, 101),

■ SQLite

                                                                                                                                                                           11 (3, '2024-01-25', 200.75, 103),
12 (4, '2024-02-02', 300.00, 101),
13 (5, '2024-02-10', 150.00, 104),
             🖺 🎎 0.1.4 beta (Mem...
                                                                                                                                     13 (3, 2024-02-10, 136.06, 104),
14 (6, '2024-02-21', 130.25, 105),
15 (7, '2024-03-05', 250.00, 106),
16 (8, '2024-03-12', 175.50, 107),
17 (9, '2024-03-29', 400.00, 108),
18 (10, '2024-04-03', 220.00, 102),
19 (11, '2024-04-01', 140.00, 101),
          ■ demo
         ■ online_sales
                 Column

      Q order_id INTEGER
      19 (11, '2024-04-15', 140.00, 101), 20 (12, '2024-04-25', 310.50, 104), 310.50, 104), 310.50, 104), 310.50, 104), 310.50, 105), 310.50, 105), 310.50, 105), 310.50, 105), 310.50, 105), 310.50, 105, 310.50, 105, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 310.50, 31
                 m product_id INTEGER

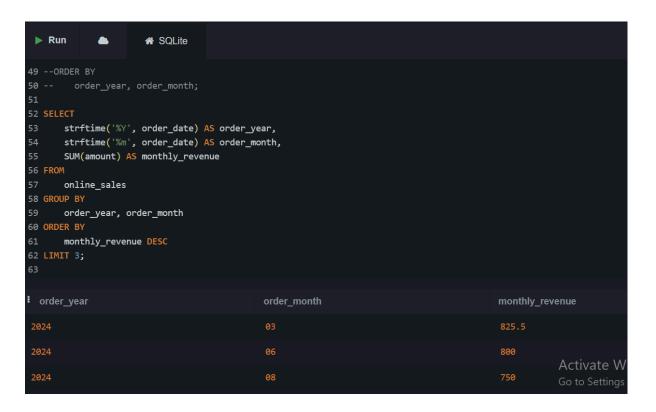
22 (14, 2624-65-18, 266.66, 167),
23 (15, '2024-65-28', 155.00, 108),
24 (16, '2024-66-01', 120.00, 106),
25 (17, '2024-06-10', 500.00, 101),
                                                                                                                                                                             26 (18, '2024-06-22', 180.00, 103),
27 (19, '2024-07-03', 210.25, 102),
28 (20, '2024-07-14', 160.00, 104).

■ PostgreSQL
```

Step 3: Monthly Revenue and Order Volume

▶ Run 🏝 🌴 SQLite			±	
40 SELECT 41 strftime('%Y', order_date) AS order_year, 42 strftime('%m', order_date) AS order_month,				
i order_year	order_month	monthly_revenue	monthly_order_volume	
2024		406.25	3	
2024	02	580.25	3	
2024		825.5	3	
2024	04	670.5	3	
2024	05	535.75	3	
2024	06	800	3	
2024	07	515.25	3	
2024	08	750	3	
2024	09	720	Activate Windows	
2024	10	640	Go to Settings to activate	

Step 4: Months by Revenue



Step 5: Monthly Revenue (with NULL Handling)

▶ Run ♣ ∰ SQLite			+	
64 SELECT 65 strftime('%Y', order_date) AS order_year, 66 strftime('%m', order_date) AS order_month, 67 ctr/(color=ses/month_ol) as order_month,				
i order_year	order_month	monthly_revenue	monthly_order_volume	
2024	01	406.25	3	
2024	02	580.25	3	
2024		825.5	3	
2024	04	670.5	3	
2024	05	535.75	3	
2024	06	800	3	
2024	07	515.25	3	
2024	08	750	3	
2024	09	720	Activate Windows	
2024	10	640	Go to Settings to activate	