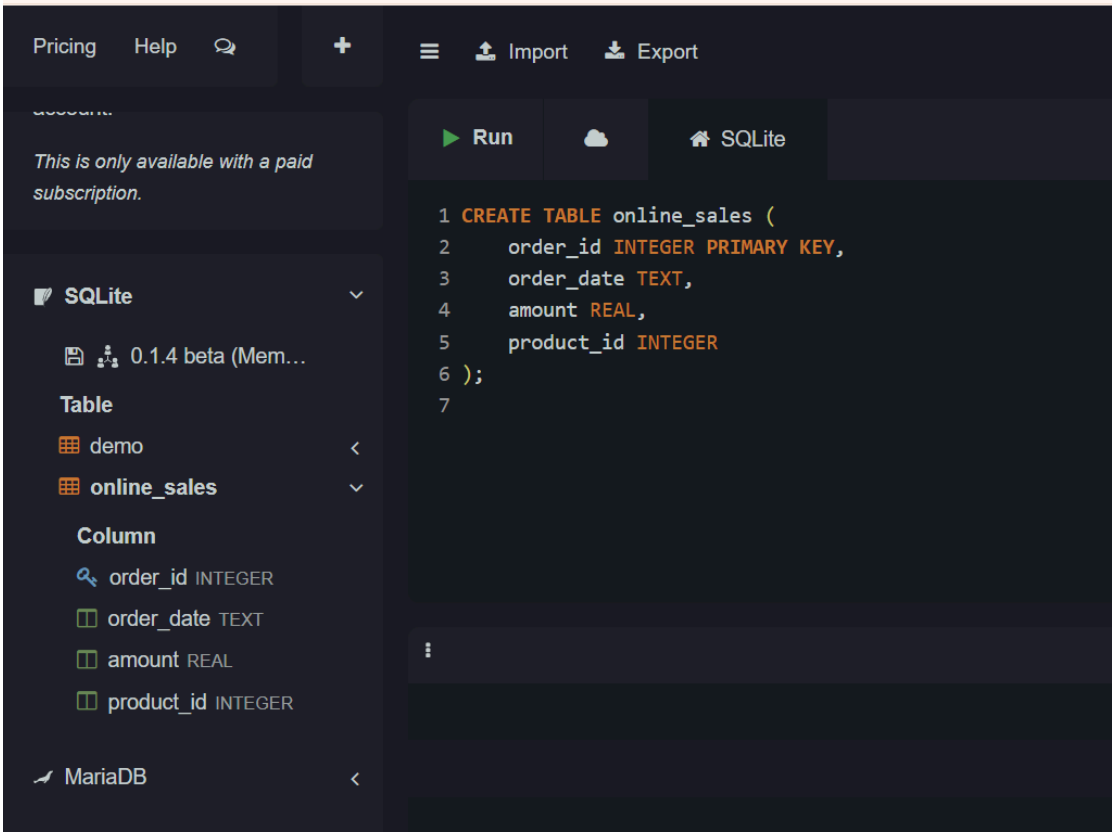
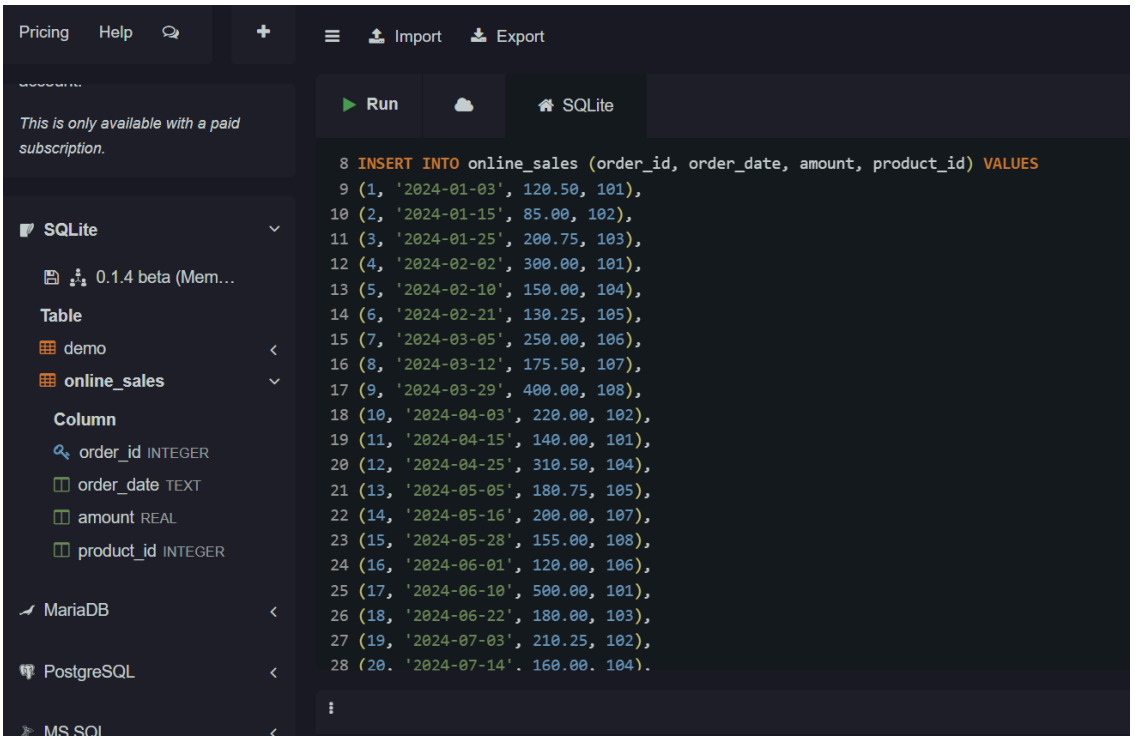
TASK 6: Sales Trend Analysis Using Aggregations

Step 1: Create a table



Step 2: Insert Data



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,
```

order_year	order_month	monthly_revenue	monthly_order_volume
2024	01	406.25	3
2024	02	580.25	3
2024	03	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	3
2024	10	640	3

Step 4: Months by Revenue

Run SQLite

```
49 --ORDER BY
50 --    order_year, order_month;
51
52 SELECT
53     strftime('%Y', order_date) AS order_year,
54     strftime('%m', order_date) AS order_month,
55     SUM(amount) AS monthly_revenue
56 FROM
57     online_sales
58 GROUP BY
59     order_year, order_month
60 ORDER BY
61     monthly_revenue DESC
62 LIMIT 3;
63
```

order_year	order_month	monthly_revenue
2024	03	825.5
2024	06	800
2024	08	750

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,
```

order_year	order_month	monthly_revenue	monthly_order_volume
2024	01	406.25	3
2024	02	580.25	3
2024	03	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	3
2024	10	640	3