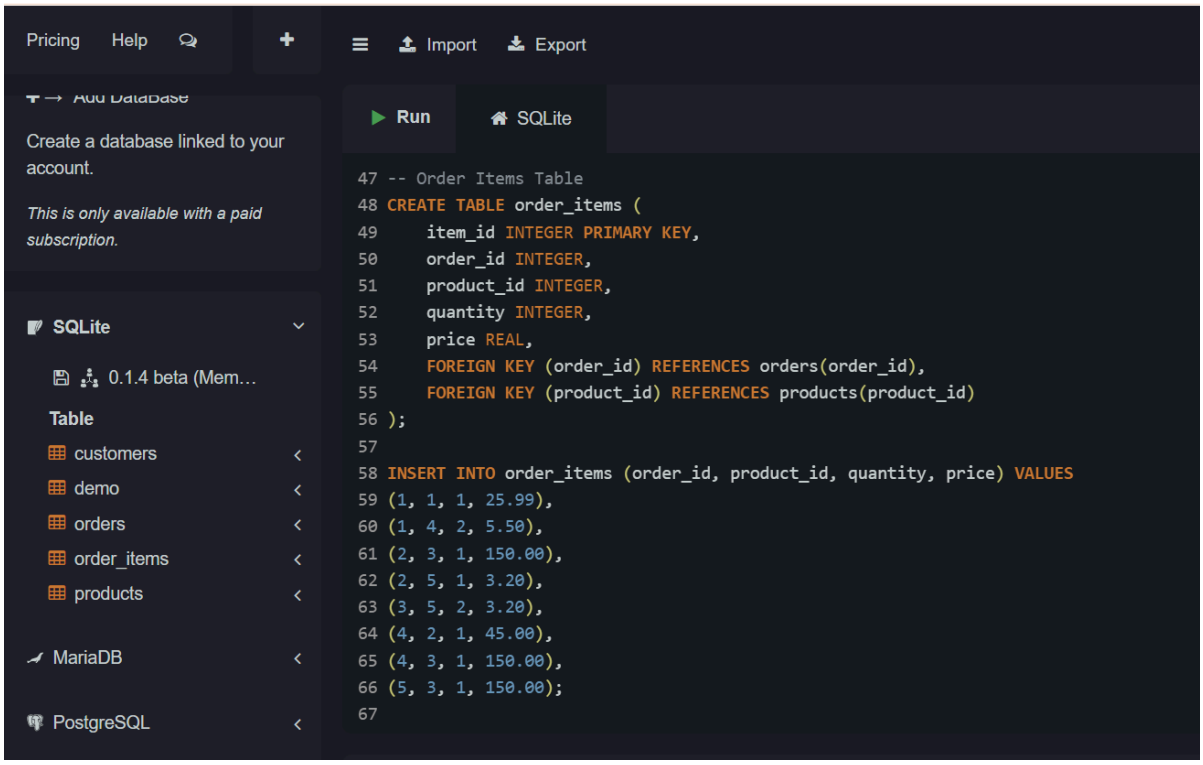
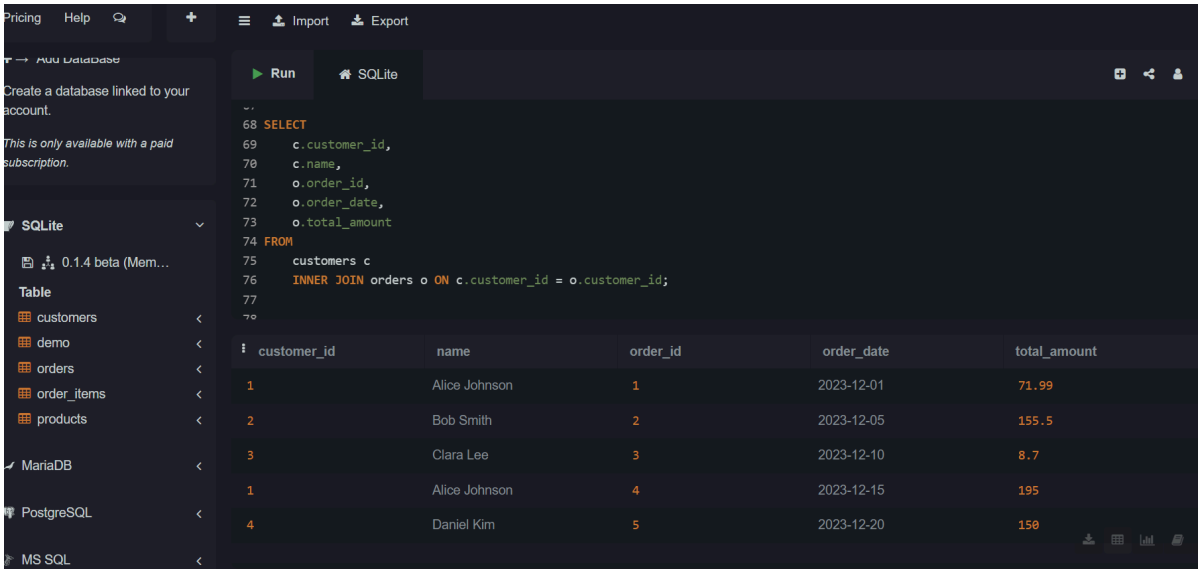
Screenshots

- **Database created:**



1. Fetch all customers and their orders:



2. **Revenue by Category:**

Run SQLite

```
74 --FROM
75 --    customers c
76 --    INNER JOIN orders o ON c.customer_id = o.customer_id;
77
78 SELECT
79     p.category,
80     SUM(oi.quantity * oi.price) AS total_revenue
81 FROM
82     order_items oi
83     JOIN products p ON oi.product_id = p.product_id
84 GROUP BY
85     p.category;
86
```

category	total_revenue
Electronics	70.99
Furniture	450
Stationery	20.6

3. Customers who spent > 100:

```
85 --    p.category;
86
87 SELECT
88     c.name,
89     SUM(o.total_amount) AS total_spent
90 FROM
91     customers c
92     JOIN orders o ON c.customer_id = o.customer_id
93 GROUP BY
94     c.customer_id
95 HAVING
96     total_spent > 100;
97
```

name	total_spent
Alice Johnson	266.99
Bob Smith	155.5
Daniel Kim	150

4. All Orders with Product Details:

```
    oi.price,
    o.total_amount
FROM
    orders o
    JOIN customers c ON o.customer_id = c.customer_id
    JOIN order_items oi ON o.order_id = oi.order_id
    JOIN products p ON oi.product_id = p.product_id;
```

order_id	customer_name	product_name	quantity	price	total_amount
1	Alice Johnson	Wireless Mouse	1	25.99	71.99
1	Alice Johnson	Notebook	2	5.5	71.99
2	Bob Smith	Office Chair	1	150	155.5
2	Bob Smith	Pen Set	1	3.2	155.5
3	Clara Lee	Pen Set	2	3.2	8.7
4	Alice Johnson	Bluetooth Speaker	1	45	195
4	Alice Johnson	Office Chair	1	150	195
5	Daniel Kim	Office Chair	1	150	150

5. Products Never Ordered:

```
--    JOIN order_items oi ON o.order_id = oi.order_id
--    JOIN products p ON oi.product_id = p.product_id;

SELECT
    p.product_name
FROM
    products p
    LEFT JOIN order_items oi ON p.product_id = oi.product_id
WHERE
    oi.product_id IS NULL;

```

product_name

6. Total Revenue per Customer City:

Run SQLite

```
116 --WHERE
117 --    oi.product_id IS NULL;
118
119 SELECT
120     c.city,
121     SUM(oi.quantity * oi.price) AS total_revenue
122 FROM
123     customers c
124     JOIN orders o ON c.customer_id = o.customer_id
125     JOIN order_items oi ON o.order_id = oi.order_id
126 GROUP BY
127     c.city;
128
```

city	total_revenue
Chicago	153.2
Los Angeles	150
New York	231.99
San Francisco	6.4