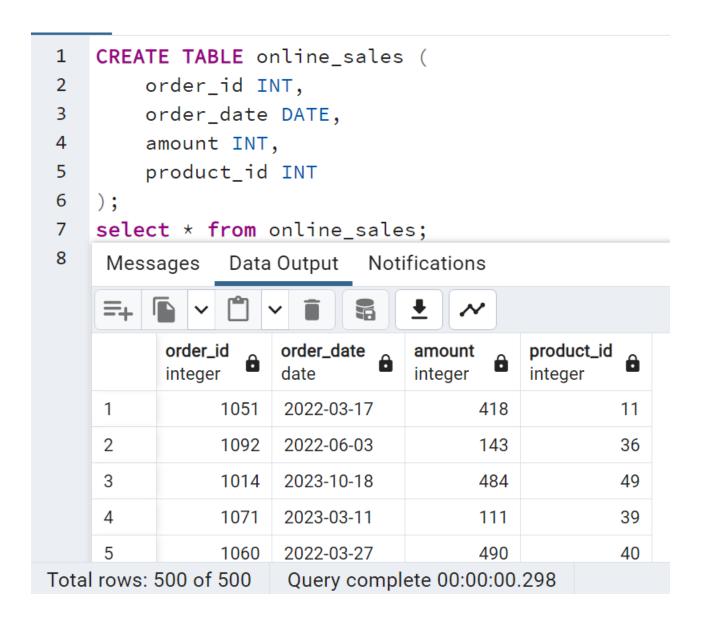
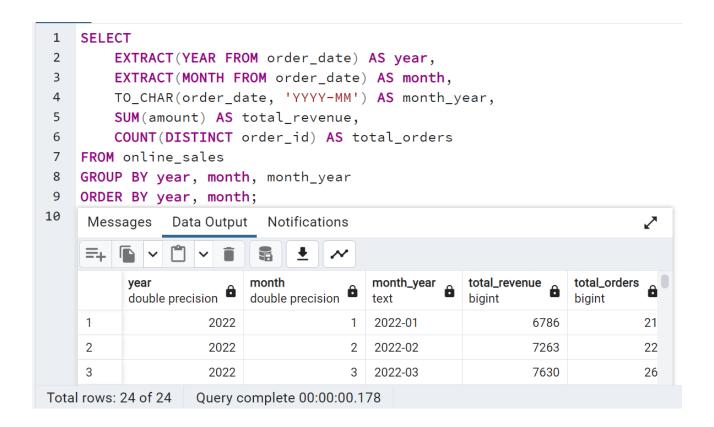
Step 1: Import Dataset into PostgreSQL



Step 2: SQL Queries

1. Monthly Revenue & Orders (All Years)



2. Filter for a Specific Year (e.g., 2023)

Query Query History 1 SELECT TO_CHAR(order_date, 'YYYY-MM') AS month_year, 2 SUM(amount) AS total_revenue, 3 COUNT(DISTINCT order_id) AS total_orders 4 5 FROM online_sales WHERE EXTRACT(YEAR FROM order_date) = 2023 6 7 **GROUP BY** month_year ORDER BY month_year; 8 Messages Data Output total_revenue total_orders month_year bigint bigint text 1 2023-01 5743 18 2 2023-02 4595 15 3 2023-03 7105 21 4 2023-04 5709 18

Query complete 00:00:00.136

3. Top 5 Months by Revenue

Total rows: 12 of 12

```
SELECT
 1
         TO_CHAR(order_date, 'YYYY-MM') AS month_year,
 2
         SUM(amount) AS total_revenue,
 3
         COUNT(DISTINCT order_id) AS total_orders
 4
     FROM online_sales
 5
     GROUP BY month_year
 6
     ORDER BY total_revenue DESC
 7
 8
     LIMIT 5;
Messages
            Data Output
                                  total_orders
                   total_revenue
     month_year
     text
                   bigint
                                  bigint
1
      2022-08
                            8960
                                            29
2
      2022-04
                            7941
                                            22
3
      2022-03
                            7630
                                            26
      2022-02
                            7263
                                            22
Total rows: 5 of 5
                   Query complete 00:00:00.160
```

Step 3: Expected Results Table Layout

Month-Year	Total Revenue	Total Orders	
2022-03	12,500	120	
2022-04	10,800	95	
2023-03	15,200	135	

 Month-Year
 Total Revenue
 Total Orders

 2023-05
 18,700
 160

 2023-10
 20,400
 175