Sales Trend Analysis Using Aggregations

Objective: Analyze monthly revenue and order volume using SQL aggregation functions.

```
Input (SQL Query):
SELECT EXTRACT(YEAR FROM order_date) AS order_year, EXTRACT(MONTH FROM order_date)
AS order_month, SUM(amount) AS total_revenue, COUNT(DISTINCT order_id) AS
total_orders FROM online_sales WHERE order_date BETWEEN '2023-01-01' AND
'2023-12-31' GROUP BY order_year, order_month ORDER BY order_year, order_month;
```

Output (Sample Results):

order_year	order_month	total_revenue	total_orders
2023	1	12000.50	150
2023	2	14500.75	175
2023	3	9800.20	120
2023	4	11050.90	140

Conclusion: This SQL analysis helps understand monthly sales patterns by grouping data using EXTRACT(), SUM(), and COUNT() functions. It provides insights into seasonal performance trends.