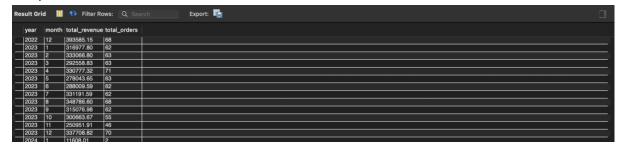
# TASK 6: Sales Trend Analysis Using Aggregations

Objective: Analyse monthly revenue and order volume.

Tools: MySQL

#### Query 1:

#### Output:



#### Query 2:

```
27 — Top 3 Months by Revenue—
28 • SELECT
29 EXTRACT(YEAR FROM order_date) AS year,
30 EXTRACT(MONTH FROM order_date) AS month,
31 SUM(amount) AS total_revenue
32 FROM
33 online_sales
34 GROUP BY
35 year, month
36 ORDER BY
37 total_revenue DESC
38 LIMIT 3;
```

#### Output:



#### Query 3:

```
42 -- City-wise Revenue
43 SELECT
44 city,
45 SUM(amount) AS total_revenue,
46 COUNT(DISTINCT order_id) AS total_orders
47 FROM
48 online_sales
49 GROUP BY
50 city
51 ORDER BY
52 total_revenue DESC;
```

#### Output:



#### Query 4:

```
54 -- Category-wise Revenue

55 SELECT

56 category,

57 SUM(amount) AS total_revenue,

58 COUNT(DISTINCT order_id) AS total_orders

59 FROM

60 online_sales

61 GROUP BY

62 category

63 ORDER BY

64 total_revenue DESC;
```

#### Output:



## Query 5:

```
G6 -- Payment Method Distribution
G7 • SELECT
G8 payment_method,
G9 COUNT(*) AS total_orders,
SUM(amount) AS total_revenue
T1 FROM
T2 online_sales
T3 GROUP BY
T4 payment_method
T5 ORDER BY
T6 total_revenue DESC;
T7
```

## Output:



# Query 6:

```
78 -- Customer Repeat Count
79 SELECT
80 customer_id,
81 COUNT(order_id) AS total_orders,
82 SUM(amount) AS total_spent
83 FROM
84 online_sales
85 GROUP BY
86 customer_id
87 ORDER BY
88 total_orders DESC
89 LIMIT 10;
```

### Output:

