# Sales Trend Analysis (Task 6 - Data Analyst Internship)

## Objective

Analyze \*\*monthly revenue\*\* and \*\*order volume\*\* from the `online\_sales` dataset using SQL aggregation functions.

## Tools Used

- PostgreSQL (queries compatible with MySQL & SQLite)

- Dataset: `online\_sales` table (columns: order\_date, amount, product\_id, order\_id)

## Steps Performed

1. Extracted `year` and `month` from `order\_date`.

2. Grouped data by `year` and `month`.

3. Calculated:

- \*\*Monthly Revenue\*\* = SUM(amount)

- \*\*Order Volume\*\* = COUNT(DISTINCT order\_id)

4. Sorted results chronologically with ORDER BY.

5. Found \*\*Top 3 months by revenue\*\* using ORDER BY monthly\_revenue DESC LIMIT 3.

## SQL Scripts

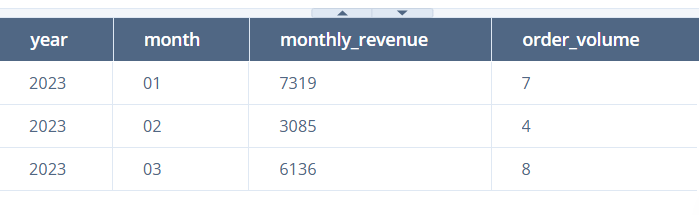
The `sales\_trend.sql` file contains:

- Monthly sales trend query.

- Top 3 months by revenue query.

## Output

### Monthly Revenue & Order Volume



### Top 3 Months by Revenue

