

Task 6: Sales Trend Analysis Using Aggregations

Objective:

Analyze monthly sales revenue and order volume using SQL aggregation functions.

SQL Script (SQLite):

```
SELECT
    STRFTIME('%Y-%m', order_date) AS month_year,
    SUM(amount) AS total_revenue,
    COUNT(DISTINCT order_id) AS total_orders
FROM
    orders
GROUP BY
    STRFTIME('%Y-%m', order_date)
ORDER BY
    month_year;
```

Result Table (Sample):

Month-Year	Total Revenue	Total Orders
2023-01	58200.00	143
2023-02	61500.00	157
2023-03	74890.00	181
2023-04	70210.00	164
2023-05	82300.00	190

Tools Used:

SQLite (can be adapted for PostgreSQL or MySQL).
Functions: STRFTIME(), SUM(), COUNT(DISTINCT), GROUP BY, ORDER BY

Outcome:

Learned to group data by time and analyze sales trends using SQL.