

Elevate Labs

Task 6: Sales Trend Analysis Using Aggregations

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SQL Query

```
DROP TABLE IF EXISTS online_sales;
```

```
CREATE TABLE online_sales (  
    order_id INT PRIMARY KEY,  
    order_date DATE,  
    amount DECIMAL(10,2),  
    product_id VARCHAR(10),  
    product_name VARCHAR(100)  
);
```

```
SHOW VARIABLES LIKE 'secure_file_priv';
```

```
LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/online_sales.csv'  
INTO TABLE online_sales FIELDS TERMINATED BY ','  
ENCLOSED BY '"' LINES TERMINATED BY '\n'  
IGNORE 1 ROWS (order_id, order_date, amount, product_id, product_name);
```

```
SELECT YEAR(order_date) AS sales_year, MONTH(order_date) AS sales_month, SUM(amount)  
AS total_revenue, COUNT(DISTINCT order_id) AS total_orders FROM online_sales GROUP BY  
sales_year, sales_month ORDER BY sales_year, sales_month;
```

```
SELECT YEAR(order_date) AS sales_year, MONTH(order_date) AS sales_month, SUM(amount)  
AS total_revenue, COUNT(DISTINCT order_id) AS total_orders FROM online_sales WHERE  
order_date >= DATE_SUB(CURDATE(), INTERVAL 12 MONTH) GROUP BY sales_year,  
sales_month ORDER BY sales_year, sales_month;
```