

Task 7 - Basic Sales Summary Using SQLite and Python

🚀 Internship Task Overview

This task is part of the Data Analyst Internship. The goal is to create a basic sales summary using a small SQLite database and Python. We use SQL to extract insights and matplotlib to visualize the revenue data.

🛠️ Tools Used

- Python
- SQLite (via sqlite3)
- pandas
- matplotlib

📁 Files Included

File Name	Description
task7_sales_summary.py	Python script to create DB, run SQL, and visualize
sales_data.db	SQLite database file with a sample sales table
sales_summary.csv	Output CSV with total quantity and revenue
sales_chart.png	Bar chart showing revenue by product

📊 Summary Output

The script connects to a SQLite database, creates a `sales` table, inserts some sample data, and then runs an SQL query to calculate:

- Total quantity sold per product

- Total revenue per product

It then prints the result and plots a bar chart of revenue per product.

🔍 SQL Query Used

```
```sql
```

```
SELECT product, SUM(quantity) AS total_qty, SUM(quantity * price) AS revenue
FROM sales
GROUP BY product;
```