

Task 7: Basic Sales Summary with SQLite and Python

I completed Task 7 of my Data Analyst Internship project. Steps I followed: 1. Created a new SQLite database file named 'sales_data.db' using Python in Jupyter Notebook. 2. Created a table named 'sales' with columns: product, quantity, and price. 3. Inserted sample sales records into the table. 4. Wrote an SQL query to summarize sales data by product: - Calculated total quantity sold (SUM of quantity). - Calculated revenue (SUM of quantity * price). 5. Loaded the SQL query results into a pandas DataFrame. 6. Printed the summary results in Jupyter Notebook. 7. Created a simple bar chart using matplotlib to show revenue by product. 8. Saved the chart for reporting purposes. Tools used: Python, sqlite3, pandas, matplotlib, Jupyter Notebook. Outcome: I learned how to create and query a database in Python, summarize data with SQL, and visualize results with pandas and matplotlib.