**TASK 7**

**Get Basic Sales Summary from a Tiny SQLite Database using Python**

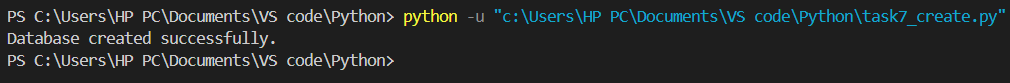
**PYTHON SCRIPT :**

**# To connect sales dataset :**

* **Create a file and save it as create.py**
* **Then run the following code :**

import pandas as pdimport sqlite3df = pd.read\_csv("task7.csv")conn = sqlite3.connect("task7.db")df.to\_sql("sales", conn, if\_exists="replace", index=False)conn.close()print("Database created successfully.")

**# Database created Successfully**

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**# SQL Queries :**

**Create a new file task7.py for the following program**

import sqlite3

import pandas as pd

import matplotlib.pyplot as plt

conn = sqlite3.connect("task7.db")

query = """

    SELECT

        product,

        SUM(quantity) AS total\_qty,

        ROUND(SUM(quantity \* unit\_price), 2) AS revenue

    FROM sales

    GROUP BY product

"""

df = pd.read\_sql\_query(query, conn)

conn.close()

print("Sales Summary by Product:\n")

print(df)

plt.figure(figsize=(10, 6))

plt.bar(df['product'], df['revenue'], color='blue')

plt.title('Revenue by Product')

plt.xlabel('Product')

plt.ylabel('Revenue')

plt.xticks(rotation=45)

plt.tight\_layout()

plt.savefig("task7.png")

plt.show()

