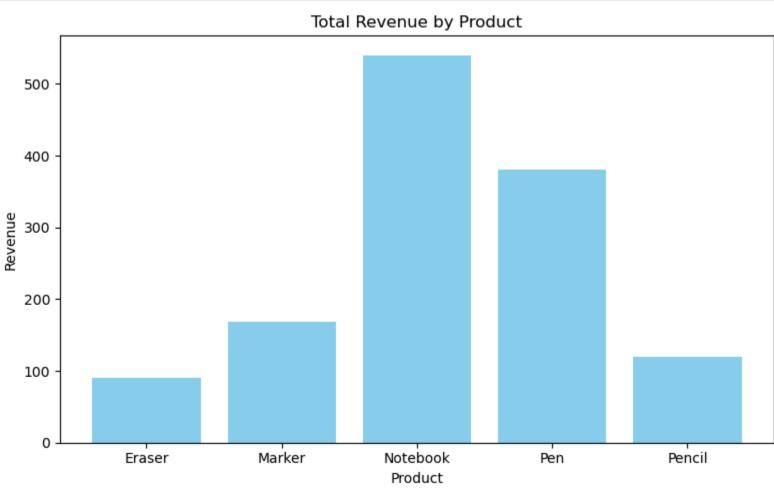
```
conn = sqlite3.connect("sales_data.db")
        # Create a cursor to execute SQL commands
        cursor = conn.cursor()
        print("Connected to sales_data.db")
        Connected to sales_data.db
In [2]: # Create a sales table with product, quantity, and price columns
        cursor.execute("""
        CREATE TABLE IF NOT EXISTS sales (
          product TEXT,
           quantity INTEGER,
          price REAL
        """)
        conn.commit()
        print("Table 'sales' created successfully.")
        Table 'sales' created successfully.
In [3]: # Sample sales data to insert into the table
        sales_data = [
            ("Pen", 20, 5.0),
            ("Notebook", 10, 15.0),
            ("Pencil", 30, 2.0),
            ("Eraser", 15, 3.0),
            ("Marker", 12, 7.0),
            ("Pen", 18, 5.0),
            ("Notebook", 8, 15.0)
        # Insert data into the sales table
        cursor.executemany("INSERT INTO sales VALUES (?, ?, ?)", sales_data)
        conn.commit()
        print("Sample sales data inserted successfully.")
        Sample sales data inserted successfully.
In [4]: import pandas as pd
        # SQL query to calculate total quantity and revenue by product
        query = """
        SELECT
          product,
            SUM(quantity) AS total_quantity,
            SUM(quantity * price) AS total_revenue
        FROM sales
        GROUP BY product
        # Load query result into a pandas DataFrame
        df = pd.read_sql_query(query, conn)
        # Print the DataFrame
        print(df)
            product total_quantity total_revenue
        0 Eraser 30 90.0
1 Marker 24 168.0
2 Notebook 36 540.0
3 Pen 76 380.0
4 Pencil 60 120.0
In [5]: import matplotlib.pyplot as plt
        #Plot revenue by product as a bar chart
        plt.figure(figsize=(8, 5))
        plt.bar(df['product'], df['total_revenue'], color='skyblue')
        plt.title("Total Revenue by Product")
        plt.xlabel("Product")
        plt.ylabel("Revenue")
        plt.tight_layout()
        plt.show()
                                                 Total Revenue by Product
```



In [1]: import sqlite3

Create the database