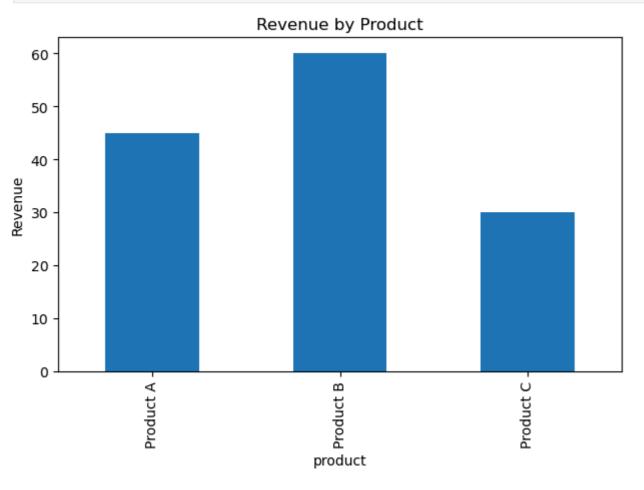
```
In [2]: import sqlite3
In [4]: conn = sqlite3.connect('sales_data.db')
        cursor = conn.cursor()
In [6]: cursor.execute('''
            CREATE TABLE IF NOT EXISTS sales (
                id INTEGER PRIMARY KEY AUTOINCREMENT,
                product TEXT,
                quantity INTEGER,
                price REAL
        111)
Out[6]: <sqlite3.Cursor at 0x129acb916c0>
In [8]: sample_data = [
            ('Product A', 10, 2.5),
            ('Product B', 5, 5.0),
            ('Product A', 8, 2.5),
            ('Product C', 3, 10.0),
            ('Product B', 7, 5.0),
In [10]: cursor.executemany('INSERT INTO sales (product, quantity, price) VALUES (?, ?, ?)', sample_data)
        conn.commit()
        conn.close()
In [12]: import sqlite3
In [14]: import pandas as pd
In [16]: import matplotlib.pyplot as plt
In [18]: conn = sqlite3.connect('sales_data.db')
In [20]: query = '''
        SELECT
            product,
            SUM(quantity) AS total_qty,
            SUM(quantity * price) AS revenue
        FROM sales
        GROUP BY product
        1.1.1
In [22]: df = pd.read_sql_query(query, conn)
In [24]: print(df)
            product total_qty revenue
                      18 45.0
       0 Product A
                          12 60.0
       1 Product B
       2 Product C
                        3 30.0
In [26]: df.plot(kind='bar', x='product', y='revenue', title='Revenue by Product', legend=False)
        plt.ylabel("Revenue")
        plt.tight_layout()
```



Bar Chart Explanation: Revenue by Product

The bar chart visualizes the total revenue generated by each product:

- Product B has the highest revenue, around \$60.
- Product A follows with approximately \$45 in revenue.
- Product C has the lowest revenue, about \$30.

This chart helps quickly compare the revenue performance of each product and identify which ones are generating more income.

In [28]: plt.savefig("sales_chart.png")
 plt.show()

<Figure size 640x480 with 0 Axes>

In [34]: conn.close()