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import sqlite3
import pandas as pd
import matplotlib.pyplot as plt

conn = sqlite3.connect("sales_data.db")
cursor = conn.cursor()

cursor.execute("""
CREATE TABLE IF NOT EXISTS sales (
    product TEXT,
    quantity INTEGER,
    price REAL
)
""")

data = [
    ("Laptop", 5, 50000),
    ("Mobile", 10, 20000),
    ("Tablet", 7, 15000),
    ("Laptop", 3, 50000),
    ("Mobile", 5, 20000)
]

cursor.executemany("INSERT INTO sales VALUES (?, ?, ?)", data)
conn.commit()

query = """
SELECT product,
    SUM(quantity) AS total_qty,
    SUM(quantity * price) AS revenue
FROM sales
GROUP BY product
"""

df = pd.read_sql_query(query, conn)

print(df)

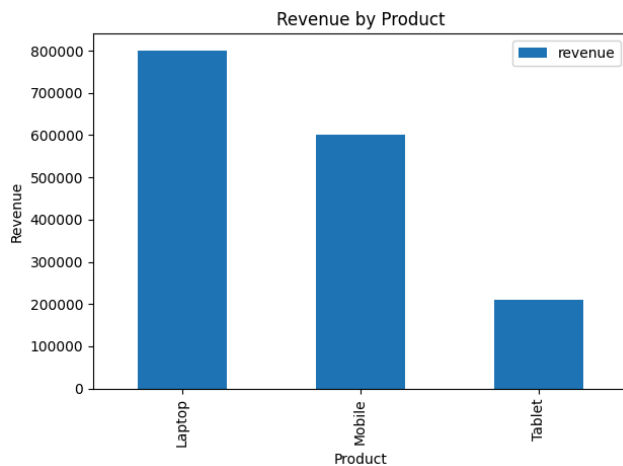
df.plot(kind='bar', x='product', y='revenue')
plt.title("Revenue by Product")
plt.xlabel("Product")
plt.ylabel("Revenue")
plt.tight_layout()
plt.show()

plt.savefig("sales_chart.png")

conn.close()

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	product	total_qty	revenue
0	Laptop	16	800000.0
1	Mobile	30	600000.0
2	Tablet	14	210000.0



<Figure size 640x480 with 0 Axes>