```
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 (
    id INTEGER PRIMARY KEY AUTOINCREMENT,
    product TEXT,
    quantity INTEGER,
    price REAL
)""")

sample_data = [
    ("Apple", 10, 0.5),
    ("Banana", 5, 0.2),
    ("Apple", 8, 0.5),
    ("Orange", 15, 0.3),
    ("Banana", 12, 0.2),
    ("Orange", 10, 0.3),
    ("Grapes", 7, 0.8)
]

cursor.executemany("INSERT INTO sales (product, quantity, price) VALUES (?, ?, ?)", sample_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("Sales Summary:")
print(df)

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

```
Sales Summary:
   product  total_qty  revenue
0   Apple         18      9.0
1  Banana         17      3.4
2  Grapes          7      5.6
3  Orange         25      7.5
```

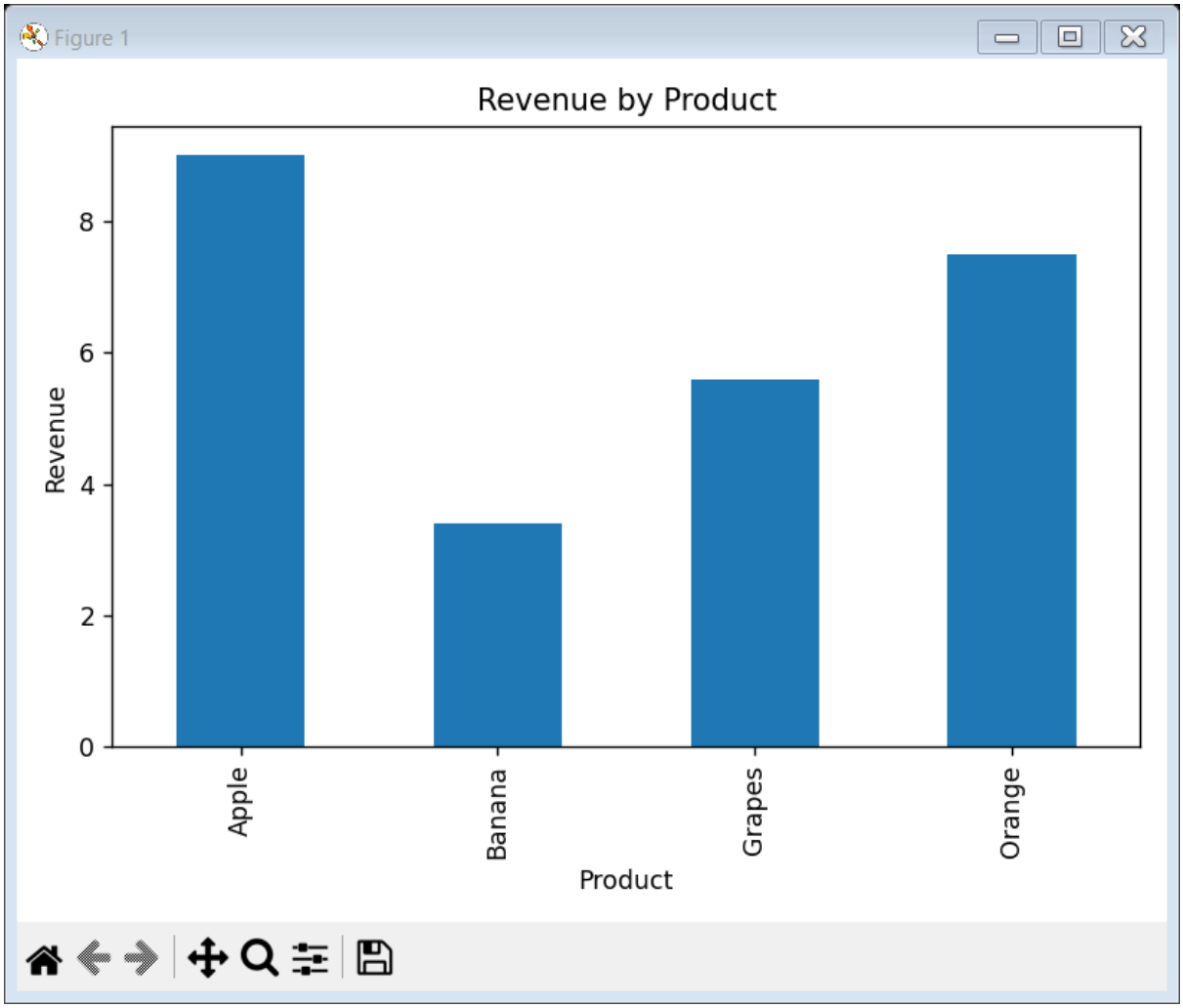
Figure 1
Revenue by Product
Revenue
0
2
4
6
8
Apple
Banana
Grapes
Orange
Product