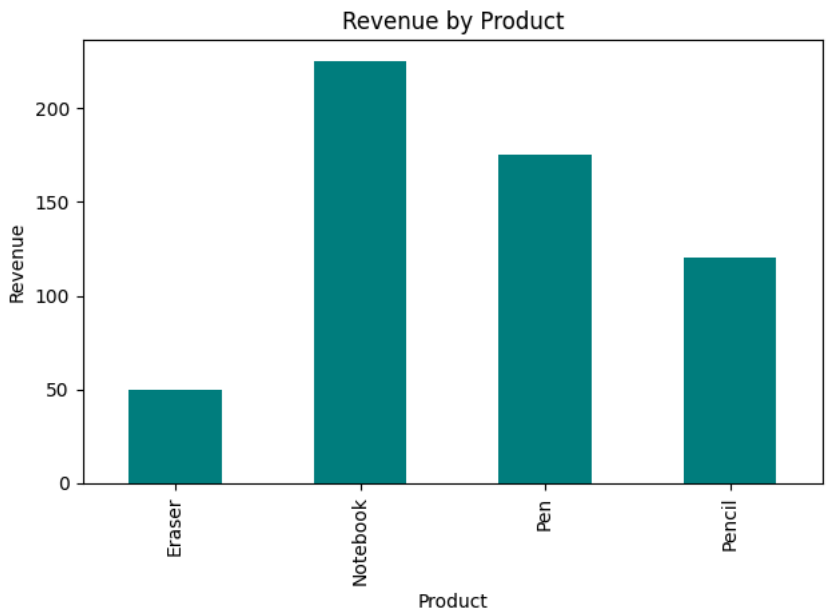
```
import sqlite3
conn = sqlite3.connect("sales_data.db")  # Connects to existing DB or creates one if not found


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


import pandas as pd
df = pd.read_sql_query(query, conn)


print("Sales Summary:\n")
print(df)
```

```
Sales Summary:

      product  total_qty  revenue
0    Eraser         25     50.0
1  Notebook         15    225.0
2       Pen         35    175.0
3    Pencil         40    120.0
```

```
import matplotlib.pyplot as plt
df.plot(kind='bar', x='product', y='revenue', legend=False, color='teal')
plt.title("Revenue by Product")
plt.xlabel("Product")
plt.ylabel("Revenue")
plt.tight_layout()
```




```
plt.savefig("sales_chart.png")
plt.show()
conn.close()
```

```
<Figure size 640x480 with 0 Axes>
```