

# day7-task-python-script

April 20, 2025

```
[3]: import sqlite3
import pandas as pd
import matplotlib.pyplot as plt
```

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[4]: conn = sqlite3.connect("sales.db")
```

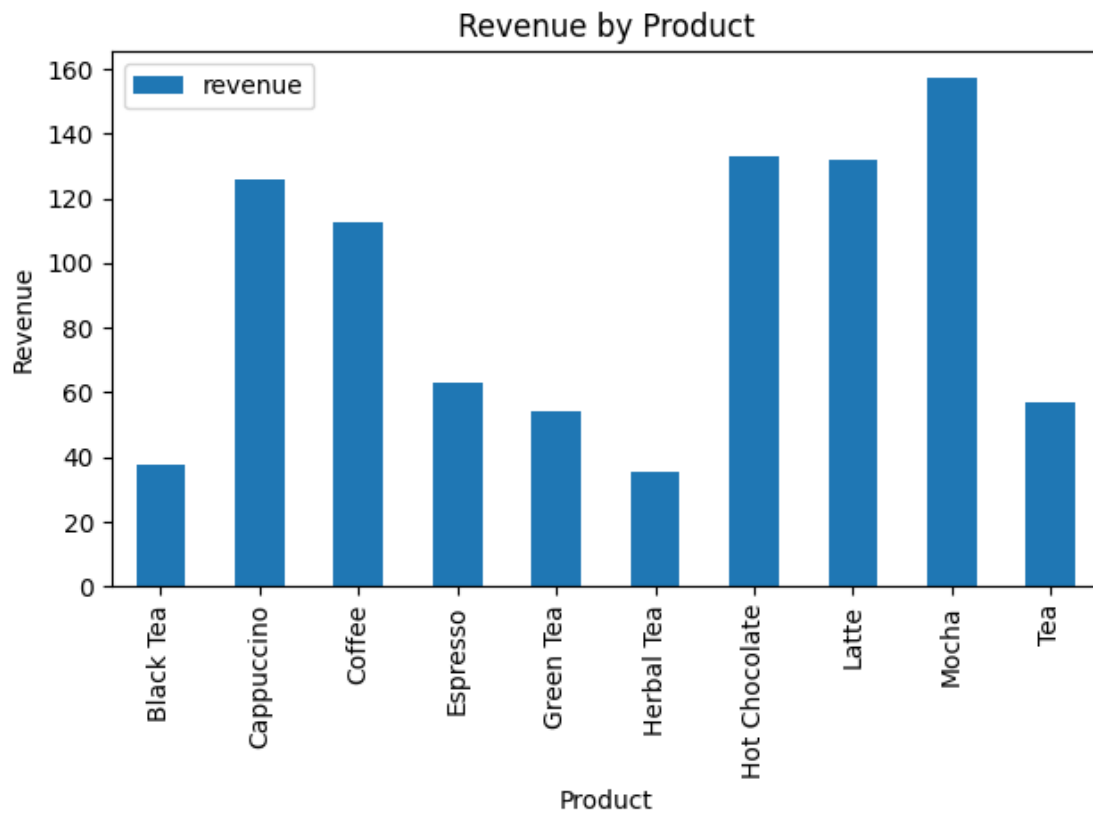
```
[5]: query = """
SELECT product,
      SUM(quantity) AS total_qty,
      SUM(quantity * price) AS revenue
FROM sales
GROUP BY product
"""
```

```
[6]: df = pd.read_sql_query(query, conn)
```

```
[7]: print(df)
```

	product	total_qty	revenue
0	Black Tea	21	37.8
1	Cappuccino	30	126.0
2	Coffee	45	112.5
3	Espresso	21	63.0
4	Green Tea	27	54.0
5	Herbal Tea	16	35.2
6	Hot Chocolate	38	133.0
7	Latte	33	132.0
8	Mocha	35	157.5
9	Tea	38	57.0

```
[8]: df.plot(kind='bar', x='product', y='revenue')
plt.title("Revenue by Product")
plt.xlabel("Product")
plt.ylabel("Revenue")
plt.tight_layout()
plt.savefig("sales_chart.png") # Optional: Save chart
plt.show()
```



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[9]: conn.close()
```

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