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In [1]: import sqlite3
import pandas as pd
import matplotlib.pyplot as plt
```

C:\Users\pramo\anaconda3\Lib\site-packages\pandas\core\arrays\masked.py:60: UserWarning: Pandas requires version '1.3.6' or newer of 'bottleneck' (version '1.3.5' currently installed).  
from pandas.core import (

```
In [2]: conn = sqlite3.connect("sales_data.db")
```

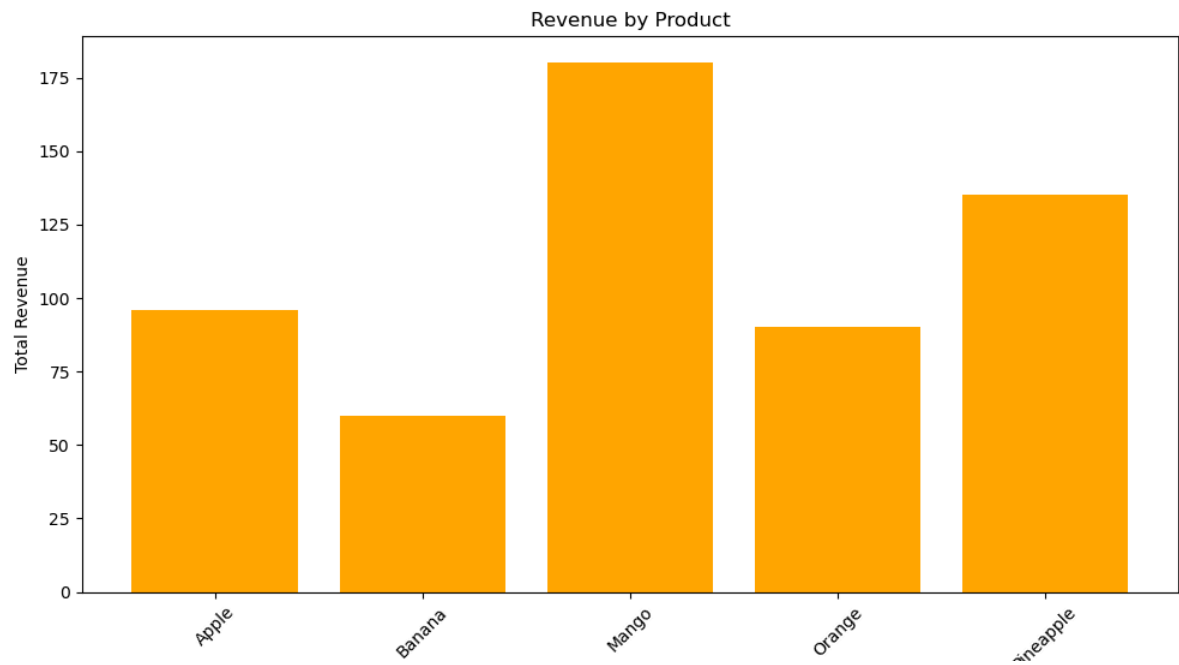
```
In [3]: query = '''
SELECT
    product,
    SUM(quantity) AS total_quantity,
    SUM(quantity * price) AS total_revenue
FROM sales
GROUP BY product
'''
df = pd.read_sql_query(query, conn)
```

```
In [4]: print(" Sales Summary by Product:\n")
print(df)
```

Sales Summary by Product:

	product	total_quantity	total_revenue
0	Apple	120	96.0
1	Banana	200	60.0
2	Mango	150	180.0
3	Orange	180	90.0
4	Pineapple	90	135.0

```
In [5]: plt.figure(figsize=(10, 6))
plt.bar(df['product'], df['total_revenue'], color='orange')
plt.xlabel("Product")
plt.ylabel("Total Revenue")
plt.title("Revenue by Product")
plt.xticks(rotation=45)
plt.tight_layout()
plt.savefig("sales_chart.png")
plt.show()
```



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In [ ]:
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