```
In [2]: # 🚺 Task 7: Basic Sales Summary using SQLite & Python
        # 🖊 Step 1: Import Required Libraries
        import sqlite3
        import pandas as pd
        import matplotlib.pyplot as plt
        import os
        # 🖊 Step 2: Connect to SOLite Database (creates it if not exists)
        conn = sqlite3.connect('sales data.db')
        cursor = conn.cursor()
        # 🗹 Step 3: Create the Sales Table (only if it doesn't already exist)
        cursor.execute("""
        CREATE TABLE IF NOT EXISTS sales (
            id INTEGER PRIMARY KEY AUTOINCREMENT,
            product TEXT,
            quantity INTEGER,
            price REAL
        """)
        # 🗹 Step 4: Insert Sample Sales Data (skip if already inserted)
        cursor.execute("SELECT COUNT(*) FROM sales")
        if cursor.fetchone()[0] == 0:
            sample_data = [
                ('Pen', 10, 5.0),
                ('Notebook', 5, 20.0),
                ('Pencil', 15, 2.0),
                ('Eraser', 20, 1.0),
                ('Marker', 7, 10.0)
            cursor.executemany("INSERT INTO sales (product, quantity, price) VALUES (?, ?,
            conn.commit()
        # 🖊 Step 5: Query to Get Sales Summary
        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)
        # 🖊 Step 6: Print the DataFrame
        print(" Sales Summary Table")
        display(df)
        # 🖊 step 7: Bar Chart without emoji warnings
        plt.figure(figsize=(8,5))
        df.plot(kind='bar', x='product', y='revenue', legend=False, color='coral')
        plt.title("Revenue by Product") # Clean title without emoji
```

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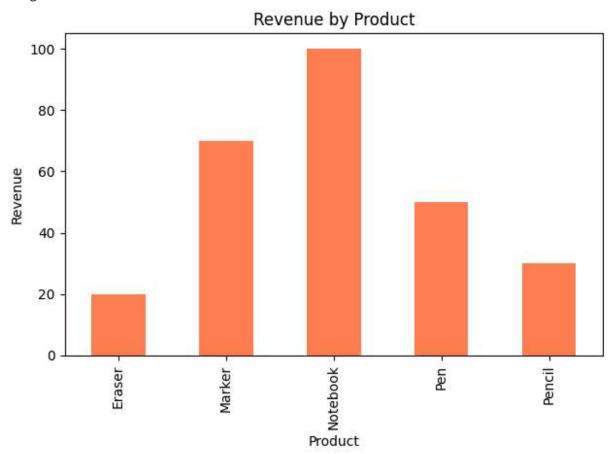
```
plt.xlabel("Product")
plt.ylabel("Revenue")
plt.tight_layout()
plt.savefig("sales_chart.png")
plt.show()

# Step 8: Close the Connection
conn.close()
```

Sales Summary Table

	product	total_qty	revenue
0	Eraser	20	20.0
1	Marker	7	70.0
2	Notebook	5	100.0
3	Pen	10	50.0
4	Pencil	15	30.0

<Figure size 800x500 with 0 Axes>



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