SQL Query Analysis Report

1. User Question

Show me the top 5 best-selling products

2. Generated SQL Query

```
SELECT
    p.product_name,
    SUM(s.quantity) AS total_quantity_sold,
    COUNT(s.sale_id) AS
```

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3. Query Validation

Status: PASSED

No issues found

4. Analysis Summary

The top 5 best-selling products show significant performance variation, with Tablet 10-inch HD leading at 37

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5. Key Metrics

- Top Performer Units Sold: 37 units

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- Average Units per Product: 29 units

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- Average Transaction Frequency: 8 sales transactions

6. Query Results

Total Records: 5 | Columns: 4

Product Name	Total Quantity Sold	Number Of Sales	Total Revenue
Tablet 10-inch HD	37	9	14239.644
Shampoo Organic 500ml	32	9	556.4069999999999
Curtains Blackout Pair	30	8	1523.5
Running Shoes Pro	24	6	2060.7709999999997
T-Shirt Green Polo	22	8	518.5424999999999

8. Data Visualizations

Chart 1: Clear ranking of product performance by volume, highlighting the Tablet's dominance and identifying growth
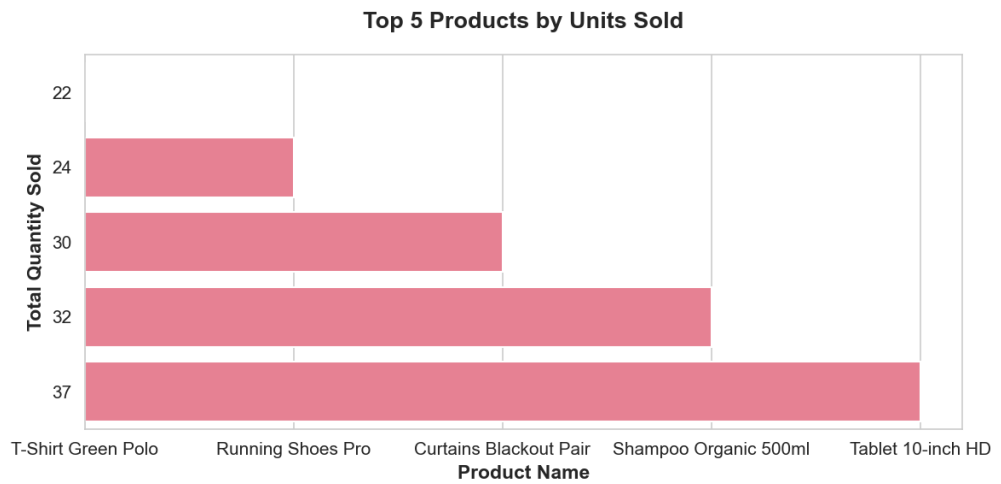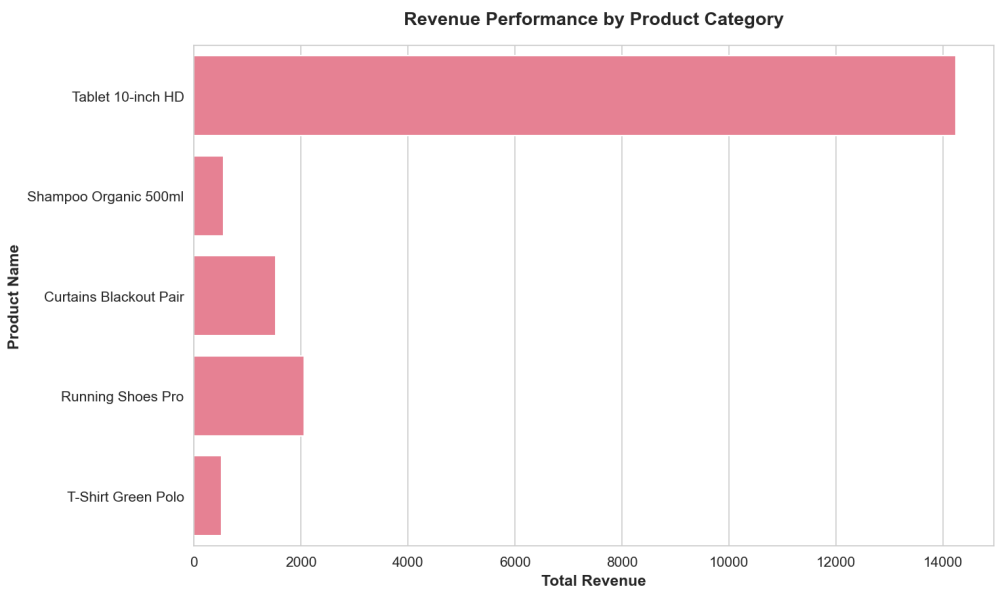
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Top 5 Products by Units Sold

Chart 2: Revenue comparison reveals the Tablet generates 75% of total revenue despite representing only 26% of total

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Revenue Performance by Product Category

9. Process Log

OK Schema Analysis: Found 2 relevant tables - products, sales

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-> Visualization: Processing 2 chart specification(s)

-> Created chart: chart_1_103114455116.png (bar)

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-> Created chart: chart_1_103114455116.png (bar)

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-> PDF: Embedding 2 chart(s)

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-> Embedded chart 2 in PDF