

Screenshots Module 1: Sales Analysis Prototype

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CSC505: Principles of Programming

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Screenshots Module 1: Sales Analysis Prototype

This document contains a screenshot of the Sales Analysis script user interactions and outputs

Figure 1

Project Outputs on Terminal – User Flow

```

PS P:\CSU-projects\CSC-505-Programs\CTA-Module-1> uv run python sales_analysis.py
[Omega.py Online Store]
[Monthly Sales Analysis]

[ MENU ]
l - Load sales CSV
s - Show basic metrics
p - Show revenue by product
c - Show revenue by category
d - Show revenue by date
g - Show revenue graph
q - Quit

Choose an option: l
Sample data is available at: P:\CSU-projects\CSC-505-Programs\CTA-Module-1\data\omega_sales_october.csv
Enter CSV file path:
> data\omega_sales_october.csv
Loaded 50 orders from data\omega_sales_october.csv

[ MENU ]
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Choose an option: s
[Omega.py Sales Analyzer]
[Basic Sales Summary]

Total orders : 50
Total items sold : 121
Total revenue: $50,563.79
--- Order statistics ---
Minimum: $24.99
Maximum: $4,799.96
Mean : $1,011.28
Median : $499.98

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Choose an option: p
[Omega.py Sales Analyzer]
[Top 5 Products by Revenue]

Omega Laptop 15"           items sold: 24 | revenue: $28,799.76
Omega Laptop 13"           items sold: 13 | revenue: $11,699.87
Omega 27" Monitor          items sold: 20 | revenue: $4,999.80
Omega External SSD 1TB      items sold: 15 | revenue: $1,949.85
Omega Noise-Cancelling Headphones items sold: 9 | revenue: $1,349.91

[ MENU ]
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Choose an option: c
[Omega.py Sales Analyzer]
[Revenue by Category]

Laptops           items sold: 37 | revenue: $40,499.63
Monitors          items sold: 20 | revenue: $4,999.80
Storage           items sold: 15 | revenue: $1,949.85
Accessories        items sold: 40 | revenue: $1,764.60
Audio              items sold: 9 | revenue: $1,349.91

```

Continue next page

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Choose an option: d

Omega.py Sales Analyzer

Revenue by Date

```
2025-10-01 - orders: 1 | items sold: 2 | revenue: $2,399.98
2025-10-03 - orders: 3 | items sold: 6 | revenue: $3,449.94
2025-10-04 - orders: 1 | items sold: 4 | revenue: $4,799.96
2025-10-05 - orders: 1 | items sold: 2 | revenue: $499.98
2025-10-07 - orders: 2 | items sold: 8 | revenue: $619.92
2025-10-08 - orders: 4 | items sold: 9 | revenue: $5,349.91
2025-10-09 - orders: 2 | items sold: 4 | revenue: $2,449.96
2025-10-12 - orders: 4 | items sold: 9 | revenue: $544.91
2025-10-13 - orders: 1 | items sold: 4 | revenue: $599.96
2025-10-14 - orders: 1 | items sold: 4 | revenue: $99.96
2025-10-15 - orders: 3 | items sold: 6 | revenue: $659.94
2025-10-16 - orders: 1 | items sold: 1 | revenue: $899.99
2025-10-17 - orders: 3 | items sold: 7 | revenue: $2,339.93
2025-10-18 - orders: 1 | items sold: 1 | revenue: $899.99
2025-10-19 - orders: 1 | items sold: 2 | revenue: $159.98
2025-10-20 - orders: 1 | items sold: 2 | revenue: $49.98
2025-10-21 - orders: 2 | items sold: 5 | revenue: $1,299.95
2025-10-22 - orders: 3 | items sold: 7 | revenue: $5,099.93
2025-10-23 - orders: 2 | items sold: 5 | revenue: $2,199.95
2025-10-24 - orders: 2 | items sold: 5 | revenue: $1,129.95
2025-10-25 - orders: 3 | items sold: 6 | revenue: $389.94
2025-10-26 - orders: 1 | items sold: 4 | revenue: $519.96
2025-10-27 - orders: 2 | items sold: 5 | revenue: $5,099.95
2025-10-28 - orders: 2 | items sold: 6 | revenue: $5,299.94
2025-10-29 - orders: 2 | items sold: 5 | revenue: $3,199.95
2025-10-31 - orders: 1 | items sold: 2 | revenue: $499.98
```

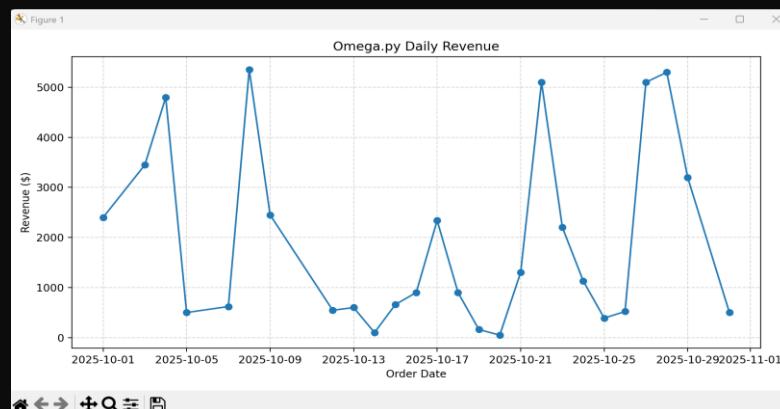
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Choose an option: g

Omega.py Sales Analyzer

Revenue graph



Displaying revenue by date graph. Close the window to return to the menu.

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Choose an option: q

Are you sure you want to quit? [Y/N]: y

Goodbye!

PS P:\CSU-projects\CSC-505-Programs\CTA-Module-1>



Search



7:21 PM

11/14/2025