

The screenshot shows a VS Code interface with the following details:

- File Explorer:** Personal Introduction Program.py, grade_calculator.py, sales_analysis.py (the active tab), sales_data.csv.
- Terminal:** Running Python code to load a dataset from sales_data.csv. The output shows the dataset was loaded successfully.
- Output:** Shows the dataset's shape as (100, 7) and its columns: Date, Product, Quantity, Price, Customer_ID, Region, Total_Sales.
- Data Types:** Displays the data types for each column: Date (object), Product (object), Quantity (int64), Price (int64), Customer_ID (object), Region (object), Total_Sales (int64).
- First 5 Rows:** A table showing the first five rows of the dataset:

	Date	Product	Quantity	Price	Customer_ID	Region	Total_Sales
0	2024-01-01	Phone	7	37300	CUST001	East	261100
1	2024-01-02	Headphones	4	15406	CUST002	North	61624
2	2024-01-03	Phone	2	21746	CUST003	West	43492
3	2024-01-04	Headphones	1	30895	CUST004	East	30895
4	2024-01-05	Laptop	8	39835	CUST005	North	318680

- Data Cleaning:** A section indicating missing values per column.

The screenshot shows a Jupyter Notebook environment with the following details:

- File Bar:** Personal Introduction Program.py, grade_calculator.py, sales_analysis.py 1 (highlighted), sales_data.csv, BLACKBOX
- Terminal:** C:\Users\mxm\Documents> sales_analysis.py > ...
THE FOLLOWING IS A LIST OF MISSING VALUES AFFECTING ANALYSIS.
- Table Data:**

ID	Date	Product	Quantity	Customer_ID	Region	Total_Sales	
3	2024-01-04	Headphones	1	30895	CUST004	East	30895
4	2024-01-05	Laptop	8	39835	CUST005	North	318680

- Data Cleaning:**
 - Missing values per column:
 - Date: 0
 - Product: 0
 - Quantity: 0
 - Customer_ID: 0
 - Region: 0
 - Total_Sales: 0
 - dtype: int64
 - No missing values found.
 - Duplicates removed: 0
- Sales Analysis:**
 - Total Revenue: ₹12,365,048.00
 - Best-Selling Product: Laptop
 - Average Order Value: ₹123,650.48
- Creating Analysis Report...**
 - analysis_report.md created successfully.
- Sales Data Analysis Completed Successfully!**
 - PS C:\Users\mxm\Documents>
 - Total Revenue: ₹12,365,048.00
 - Best-Selling Product: Laptop
 - Average Order Value: ₹123,650.48

The screenshot shows a Visual Studio Code interface with several open terminals. The title bar indicates "Python Debugger: C..." and "sales_analysis.py | sales_data.csv". The left sidebar has icons for file operations like Personal Introduction Program.py, grade_calculator.py, sales_analysis.py, and sales_data.csv. Below the sidebar are tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL, and PORTS. The TERMINAL tab is active, showing the output of multiple runs of the sales_analysis.py script. Each run displays the message "Creating Analysis Report...", followed by "analysis_report.md created successfully.", then "Total Revenue: ₹12,365,048.00", "Best-Selling Product: Laptop", and "Average Order Value: ₹123,650.48". The right side of the screen shows a vertical toolbar with icons for powershell, Python Debug Console, and another Python Debug Console.

```
Average Order Value: ₹123,650.48
Creating Analysis Report...
analysis_report.md created successfully.
Total Revenue: ₹12,365,048.00
Best-Selling Product: Laptop
Average Order Value: ₹123,650.48

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```

The screenshot shows a code editor interface with a terminal window open. The terminal output displays the results of a sales analysis script. The results include:

- Best-Selling Product: Laptop
- Total Revenue: ₹12,365,048.00
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- Total Revenue: ₹12,365,048.00
- Best-Selling Product: Laptop
- Average Order Value: ₹123,650.48
- Total Revenue: ₹12,365,048.00
- Best-Selling Product: Laptop
- Average Order Value: ₹123,650.48
- Total Revenue: ₹12,365,048.00
- Best-Selling Product: Laptop
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- Total Revenue: ₹12,365,048.00
- Best-Selling Product: Laptop
- Average Order Value: ₹123,650.48
- Total Revenue: ₹12,365,048.00
- Creating Analysis Report...
- analysis_report.md created successfully.
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- analysis_report.md created successfully.
- Creating Analysis Report...
- analysis_report.md created successfully.

At the bottom of the terminal, there is a message: "Sales Data Analysis Completed Successfully!"

The status bar at the bottom of the editor shows the following information:

- Ln 112, Col 10
- Spaces: 4
- UTF-8
- CRLF
- Python
- 3.13.5
- AI Code Chat