NumPy Analyzer Tool

A simple interactive Python tool built using NumPy that allows users to create, sort, split, combine, modify, and analyze arrays.

This tool is perfect for beginners learning NumPy or students building Python projects.

Features

1. Create Arrays

- Create 1D arrays from user input

- Create 2D arrays by entering rows manually

2. Sort Arrays (1D only)

- Ascending order

- Descending order

3. Split & Combine Arrays

- Split a 1D array into two parts

- Combine arrays vertically or horizontally

4. Modify Arrays

- Insert elements

- Delete elements

- Flip array

5. Aggregate Operations

- Mean

- Median

- Standard Deviation

How to Run

1. Install NumPy:

pip install numpy

2. Save the Python file.

3. Run:

python numpy_analyzer.py

Requirements

- Python 3.6+

- NumPy

License

This project is free to use and modify for learning purposes.