

What is Pandas?

- Pandas is a Python library used for **data analysis and data manipulation**.
- It provides two main data structures:
 - ◆ **Series** (1D data)
 - ◆ **DataFrame** (2D data tables)

1. Pandas Series

A Pandas Series is a one-dimensional array with labels.

2. DataFrame Basics

A DataFrame is a 2D table with rows & columns.

3. Read CSV File

4. Selecting Data

5. Filtering Data

6. Sorting

7. Basic Analysis

8. Export Back to CSV