CLASS 1

PART 3: Pandas Basics

1. What is Pandas?

Pandas is a Python library used for data manipulation and analysis.

2. What is a DataFrame?

A **DataFrame** is a 2-dimensional labeled data structure with rows and columns.

3. Difference between Series and DataFrame

Series	DataFrame
One-dimensional	Two-dimensional
Single column	Multiple rows and columns

4. What is CSV?

CSV (Comma-Separated Values) is a file format used to store tabular data.

5. Why Pandas is Important for AI?

- Efficient data cleaning and preprocessing
- Handles missing values
- Easy data transformation and analysis
- Integrates well with ML libraries