Chapter :→ 02
Data Handling with Pandas - I

* ### Introduction to Python Libraries.

Python Libraries are the collection of built-in modules that allow us to perform advanced operation using the libraries. They have ready to use pre-defined functions that can be used to carry out the operations.
We just need to import the library and start using it.

In our syllabus, we need to study two libraries of python :-

(i) Pandas.
(ii) Matplotlib.

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* ### Introduction to Pandas.

Pandas stands for PANeL DAta. It is

> a useful tool for data management and analysis.
> working on the principle of data structure.
> useful in making data management and storage fast and efficient.

* Installing Pandas :-

For installing pandas, open command line prompt or Windows Powershell and write

    pip install pandas

and press enter.

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* Data Structure in Pandas :-

The collection of data/values in a particular fixed structure or pattern in order to arrange it properly for effective storage, fast fetching and manipulation of data.

      (Data Structures in Pandas)

      [Series]   [Dataframe]