



# Data Handling Using Pandas – I

A 1-page guide for parents · 90-second read.

EXPECTED MARKS

**8 marks**

TIME TO MASTER

**Strong hrs**

HELPLINE

**70330 05444****WHAT THIS CHAPTER IS, IN PLAIN ENGLISH**

This is the opening chapter of Class 12 Informatics Practices. It introduces Pandas – the Python library used by data analysts and data scientists everywhere – through its two main structures: SERIES (a labelled list of values, like one column of a spreadsheet) and DATAFRAME (a labelled table, like a whole spreadsheet). Your child will learn to read data from CSV files, filter rows based on conditions, add new columns, and produce statistical summaries. This is the foundation for almost all modern data work and a critical skill for IT, business analytics, finance, and research careers.

**5 QUESTIONS TO ASK YOUR CHILD**

- What is the difference between a Series and a DataFrame?
- What does `df.head()` return by default?
- How do you select rows where the 'Marks' column is greater than 80?
- Why must you write `'index=False'` when calling `to_csv()`?
- What's the difference between `.loc` and `.iloc`?

**WEAK-SPOT INDICATORS**

- If your child cannot create a simple Series from a Python dictionary without help, the chapter foundation is missing.
- If your child confuses `.loc` with `.iloc`, every indexing question will go wrong.
- If they have never typed Pandas code into an actual Python interpreter, fluency will be theoretical.

**WHEN TO WORRY – AND WHAT TO DO**

If, after attempting one PYQ per topic (Series, DataFrame, indexing, CSV), your child gets fewer than two out of four right, schedule one 90-minute hands-on session with real Python and Pandas. Reading code is not enough.

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