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ACADEMY

CBSE COMMERCE/SCIENCE BOOSTER

Informatics Practices

Class 12 Quick Reference

A free study resource by **Toppers Hub Academy**

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Python & Pandas

- Pandas is a Python library for data analysis.
- Series is a 1D labelled array; DataFrame is a 2D labelled table.
- Common methods: head(), tail(), describe(), info().
- Read data with read_csv() and view with df.head().

Data Handling & Visualisation

- Filter rows using conditions and select columns by name.
- Aggregate with sum(), mean(), max(), min(), count().
- Matplotlib creates line, bar and pie charts.
- Handle missing data with dropna() and fillna().

Databases & Society

- SQL queries: SELECT, WHERE, GROUP BY, ORDER BY.
- Aggregate functions: SUM, AVG, COUNT, MAX, MIN.
- Digital footprints and cyber safety are important today.
- E-waste, net etiquette and data privacy are part of the syllabus.

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