

QuickStart_Reference_Guide_Condensed

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QuickStart Guides — Condensed Outlines & Summaries

Python

Summary: Hands-on intro covering syntax, data structures, control flow, functions, OOP, files, errors, libraries/APIs, basic testing/optimization. **Core Topics:** setup • variables/types • lists/tuples/sets/dicts • loops/conditionals • functions/classes/inheritance • file I/O & exceptions • HTTP/APIs • tests • Git.

HTML & CSS

Summary: Build responsive pages with semantic HTML and modern CSS. **Core Topics:** elements/structure • forms/media • selectors & cascade • box model • flexbox/grid • media queries • animations • Bootstrap • workflow & Git.

JavaScript

Summary: Interactivity + async workflows; DOM/events; toward React/Node. **Core Topics:** syntax • arrays/objects • DOM & events • fetch/async-await • OOP & patterns • animation • Node/npm • React basics.

SQL

Summary: Query & manage relational data; joins & aggregations. **Core Topics:** SELECT/WHERE/ORDER • JOINS/relations • GROUP BY/HAVING • INSERT/UPDATE/DELETE • schema & types • indexing/perf basics.

These outlines are condensed for ~4-5 printed pages; see the full reference for detailed tables.