

Codeforge — Concept Poster

Print this and pin it up — an at-a-glance map of the Codeforge cast and the ideas each one carries. Come back to it whenever you want to remember who teaches what.

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Meet the cast — and what each one teaches

Character	What they carry
Kian	Sequencing & control flow
Priyom	Conditionals / boolean logic
Devi	Iteration / loops
Milo	Functions / abstraction
Oskar	Data structures
Juno	Algorithms & complexity
Lin	Debugging / tracing
Odile	Recursion
Ferro	Data & abstraction (CSP)
Ekwe	(Mentor) — guides reflect-on-approach

Key ideas at a glance

The big concepts this cast helps you master:

- Sequencing — the order in which statements run
 - Variables and data types — assignment and values
 - Conditionals — making decisions with if/else
 - Boolean logic — and, or, not, and truth tables
 - Loops — repeating actions with iteration
 - Functions and abstraction — reusable named blocks
 - Lists — ordered collections and indexing
 - Maps and dictionaries — key→value lookup
 - Strings — text as data, slicing and formatting
 - Search algorithms — linear vs binary
 - Sorting and algorithmic complexity (Big-O intuition)
 - Recursion — solving a problem in terms of a smaller copy of itself
 - Debugging and tracing — finding and fixing faults
 - Data and abstraction — modeling a thing as data
 - Algorithms — combining constructs to solve problems
 - Capstone — decompose, build, and debug a real program
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