

OUTCOME

Level up your programming skills

exercise

Download and solve practice problems in over 30 different languages.

improve skills

Submit the solution to the site for feedback (beta).

persona

For code newbies and experienced programmers.

persona

Are you a code newbie?

One moment you feel like you're getting it. The next moment you're stuck.

emotions

Learning to program is exhilarating and challenging... and also frustrating, exhausting, and overwhelming.

exercise

Exercism provides countless small wins. The exercises are achievable miniquests: small and welldefined, and with enough complexity to uncover bitesized knowledge gaps.

improve skills

The solutions you write provide reviewers with clues about what you haven't grasped yet. The feedback you receive will guide you to relevant study topics and

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dramatically increase the ease with which you write code.

CTA

write code like it's prose →

persona

Are you ramping up in a new language?

emotions

You know what it's like to be fluent. Suddenly you're feeling incompetent and clumsy. Learning a new language can be both thrilling and deeply uncomfortable.

emotions

You're used to being productive. Now you feel hamstrung with one hand tied behind your back and an unfair suspicion that you should already know this.

exercise

There's a gap when you're past the basics but realworld problems leave you swamped by details and wandering down rabbit holes. Exercism aims to fill that gap

exercise

with lots of **small, selfcontained practice problems** with **just enough complexity** to **stretch your mind around new concepts**.

improve skills

Your solutions are the starting point for a conversation centered around **style, idioms, and best practices**. You can write FORTRAN in any language, as the saying famously goes, but with enough feedback, you'll quickly find yourself **writing the language the way it wants to be written**.

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CTA

**become fluent in a new language →**

persona

**Are you hooked on clean code?**

emotions

Haphazard, convoluted code is **infuriating**, not to mention costly. That slapdash explosion of complexity is an **expensive yak shave waiting to happen**.

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There's an art and a science to **transforming unmaintainable code into elegant simplicity**. It takes **practice, experimentation, and deep thought**.

exercise

Exercism's tiny **toy problems, in the form of automated tests**, provide a **balance of constraints and freedom**. The exercises encourage you to **explore tradeoffs and bestpractices**.

improve skills

improve skills

Each solution you write is an **occasion to ponder readability and code smells**. Each solution you review challenges you to articulate your experiences and gut feelings.

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Each discussion is an opportunity to **strengthen your instincts for clean, wellfactored code**.

CTA

**master the art of clean code →**