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THINKING LOW-LEVEL, WRITING HIGH-LEVEL

*“If you want to write the best high-level language code, learn assembly language.”
—Common programming advice*



This book doesn't teach anything revolutionary. It describes a time-tested, well-proven approach to writing great code—to make sure you understand how the code you write will actually execute on a real machine. Programmers with a few decades of experience will probably find themselves nodding in recognition as they read this book. If they haven't seen a lot of code written by younger programmers who've never really mastered this material, they might even write it off. This book (and Volume 1 of this series) attempts to fill the gaps in the education of the current generation of programmers, so they can write quality code, too.

This particular volume of the Write Great Code series will teach you the following concepts:

- Why it's important to consider the low-level execution of your high-level programs
- How compilers generate machine code from high-level language (HLL) statements