



## Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level

By Randall Hyde

[Download now](#)

[Read Online](#) 

**Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level** By Randall Hyde

The second volume in the Write Great Code series supplies the critical information that today's computer science students don't often get from college and university courses: How to carefully choose their high-level language statements to produce efficient code. *Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level*, teaches software engineers how compilers translate high-level language statements and data structures into machine code. Armed with this knowledge, a software engineer can make an informed choice concerning the use of those high-level structures to help the compiler produce far better machine code--all without having to give up the productivity and portability benefits of using a high-level language.

 [Download Write Great Code, Volume 2: Thinking Low-Level, Wr ...pdf](#)

 [Read Online Write Great Code, Volume 2: Thinking Low-Level, ...pdf](#)

# **Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level**

*By Randall Hyde*

## **Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level By Randall Hyde**

The second volume in the Write Great Code series supplies the critical information that today's computer science students don't often get from college and university courses: How to carefully choose their high-level language statements to produce efficient code. *Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level*, teaches software engineers how compilers translate high-level language statements and data structures into machine code. Armed with this knowledge, a software engineer can make an informed choice concerning the use of those high-level structures to help the compiler produce far better machine code--all without having to give up the productivity and portability benefits of using a high-level language.

## **Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level By Randall Hyde**

### **Bibliography**

- Sales Rank: #811945 in Books
- Brand: Brand: No Starch Press
- Published on: 2006-03-18
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 1.50" w x 7.00" l, 2.25 pounds
- Binding: Paperback
- 640 pages



[Download Write Great Code, Volume 2: Thinking Low-Level, Wr ...pdf](#)



[Read Online Write Great Code, Volume 2: Thinking Low-Level, ...pdf](#)

## Download and Read Free Online Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level By Randall Hyde

---

### Editorial Review

#### Review

"Exceeds its goal of helping developers pay more attention to application performance . . . a must for any high-level application developer." -- *Free Software Magazine, May 9, 2006*

"If you want to know what's really going on with your programs . . . you won't find an easier introduction." -- *DevX, April 14, 2006*

#### From the Back Cover

No prior knowledge of assembly language required!

In the beginning, most software was written in assembly, the CPU's low-level language, in order to achieve acceptable performance on relatively slow hardware. Early programmers were sparing in their use of high-level language code, knowing that a high-level language compiler would generate crummy, low-level machine code for their software. Today, however, many programmers write in high-level languages like C, C++, Pascal, Java, or BASIC. The result is often sloppy, inefficient code. You don't need to give up the productivity and portability of high-level languages in order to produce more efficient software.

In this second volume of the Write Great Code series, you'll learn:

- How to analyze the output of a compiler to verify that your code does, indeed, generate good machine code
- The types of machine code statements that compilers typically generate for common control structures, so you can choose the best statements when writing HLL code
- Just enough 80x86 and PowerPC assembly language to read compiler output
- How compilers convert various constant and variable objects into machine data, and how to use these objects to write faster and shorter programs

With an understanding of how compilers work, you'll be able to write source code that they can translate into elegant machine code. That understanding starts right here, with Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level.

#### About the Author

Randall Hyde is the author of Write Great Code Volumes 1 and 2 (No Starch Press) and the co-author of MASM 6.0 Bible (The Waite Group). He has written for Dr. Dobb™s Journal, Byte, and various professional journals. Hyde taught assembly language at the University of California, Riverside for over a decade.

### Users Review

#### From reader reviews:

##### **Wesley McFarland:**

Do you have favorite book? If you have, what is your favorite's book? Guide is very important thing for us to

learn everything in the world. Each e-book has different aim or maybe goal; it means that reserve has different type. Some people really feel enjoy to spend their a chance to read a book. They can be reading whatever they have because their hobby will be reading a book. How about the person who don't like reading through a book? Sometime, man feel need book when they found difficult problem or perhaps exercise. Well, probably you will need this Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level.

### **Lisa Shumaker:**

The guide with title Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level has lot of information that you can study it. You can get a lot of help after read this book. This specific book exist new expertise the information that exist in this book represented the condition of the world right now. That is important to yo7u to learn how the improvement of the world. This book will bring you with new era of the syndication. You can read the e-book on your own smart phone, so you can read the idea anywhere you want.

### **Loyd Tyler:**

Playing with family in the park, coming to see the sea world or hanging out with buddies is thing that usually you have done when you have spare time, subsequently why you don't try matter that really opposite from that. 1 activity that make you not experience tired but still relaxing, trilling like on roller coaster you already been ride on and with addition of knowledge. Even you love Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level, you could enjoy both. It is excellent combination right, you still need to miss it? What kind of hang type is it? Oh come on its mind hangout fellas. What? Still don't get it, oh come on its called reading friends.

### **Carl Johnson:**

Do you like reading a reserve? Confuse to looking for your best book? Or your book ended up being rare? Why so many concern for the book? But any kind of people feel that they enjoy to get reading. Some people likes examining, not only science book but novel and Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level or even others sources were given information for you. After you know how the good a book, you feel want to read more and more. Science guide was created for teacher or students especially. Those ebooks are helping them to put their knowledge. In various other case, beside science reserve, any other book likes Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level to make your spare time far more colorful. Many types of book like this.

## **Download and Read Online Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level By Randall Hyde #RZ3Y4UOCT60**

# **Read Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level By Randall Hyde for online ebook**

Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level By Randall Hyde Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level By Randall Hyde books to read online.

## **Online Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level By Randall Hyde ebook PDF download**

**Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level By Randall Hyde Doc**

**Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level By Randall Hyde MobiPocket**

**Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level By Randall Hyde EPub**

**RZ3Y4UOCT60: Write Great Code, Volume 2: Thinking Low-Level, Writing High-Level By Randall Hyde**