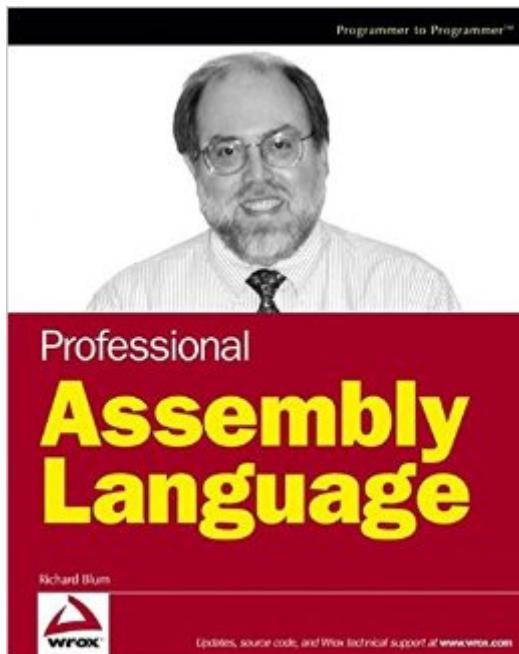


The book was found

Professional Assembly Language



Synopsis

Unlike high-level languages such as Java and C++, assembly language is much closer to the machine code that actually runs computers; it's used to create programs or modules that are very fast and efficient, as well as in hacking exploits and reverse engineering. Covering assembly language in the Pentium microprocessor environment, this code-intensive guide shows programmers how to create stand-alone assembly language programs as well as how to incorporate assembly language libraries or routines into existing high-level applications. Demonstrates how to manipulate data, incorporate advanced functions and libraries, and maximize application performance. Examples use C as a high-level language, Linux as the development environment, and GNU tools for assembling, compiling, linking, and debugging.

Book Information

Paperback: 576 pages

Publisher: Wrox (February 11, 2005)

Language: English

ISBN-10: 0764579010

ISBN-13: 978-0764579011

Product Dimensions: 7.4 x 1.2 x 9.3 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 4.3 out of 5 starsÂ See all reviewsÂ (32 customer reviews)

Best Sellers Rank: #423,299 in Books (See Top 100 in Books) #34 in Books > Computers & Technology > Programming > Languages & Tools > Assembly Language Programming #1545 in Books > Textbooks > Computer Science > Programming Languages #3073 in Books > Computers & Technology > Software

Customer Reviews

About the syntax used - yes, through all the book only the AT&T assembly syntax is used. The obvious reason is that most popular compiler on Linux is GCC, which has GAS (GNU Assembler) as the behind the scenes assembler invoked by GCC every time you compile your code. And native to GAS is the AT&T syntax and not the Intel syntax, which is deemed more readable. Now to the book contents. As there is no previous knowledge of assembly assumed, the reader is first given a quite detailed view of the Intel processors architecture, including coverage of modern features like the Netburst design, present in modern Pentium series processors. Then basics of the tools of the trade are presented. With this preliminary knowledge the reader is prepared to begin the major part of the

book - the assembly language itself. The learning curve is flattened as much as possible by the author, guiding us through all the major domains of assembly programming - working with processor registers, stack and heap manipulation, floating point arithmetic, handling various data types (strings, integers, floating point numbers) and more. All the chapters contain stand alone code examples ready to be compiled and run. Most of the example code is 30-40 lines long and relates to the particular point being explained, i.e. there's no intentional cross-reference between code samples in different chapters. Starting at the chapter 12, "Linux System Calls", begins what this book was written for - how to apply gathered so far knowledge to the real world.

[Download to continue reading...](#)

PC Assembly Language: learn how computer work easy ways to learn assembly language Body Language: Body Language Training - Attract Women & Command Respect, by Mastering Your High Status Body Language (Body Language Attraction, Body Language ... Language Secrets, Nonverbal Communication) Some Assembly Required: Assembly Language Programming with the AVR Microcontroller The Gun Digest Book of Firearms Assembly/Disassembly Part I - Automatic Pistols: Pt. 1 (Gun Digest Book of Firearms Assembly/Disassembly: Part 1 Automatic Pistols) The Gun Digest Book of Tactical Weapons Assembly/Disassembly (Gun Digest Book of Firearms Assembly/Disassembly) The Gun Digest Book of Revolvers Assembly/Disassembly (Gun Digest Book of Firearms Assembly/Disassembly) Gun Digest Book of Revolvers Assembly/Disassembly (Gun Digest Book of Firearms Assembly/Disassembly) The Gun Digest Book of Firearms Assembly/Disassembly Part V - Shotguns: Shotguns Pt.5 (Gun Digest Book of Firearms Assembly/Disassembly: Part 5 Shotguns) A Communication from Sir Charles Brisbane, K.C.B. Governor of Saint Vincent: To the House of Assembly of That Colony, Enclosing Lord Bathurst's ... Assembly; and a Letter Depicting the Alarm Professional Assembly Language BODY LANGUAGE : Decoding Alpha Male Body Language, Instantly Attract Any Woman Without Saying a Single word. (Body Language 101, Alpha male, Attract woman, ... Seduce Women, Eye Contact, Body Language) CPT 2016 Professional Edition (Current Procedural Terminology, Professional Ed. (Spiral)) (Current Procedural Terminology (CPT) Professional) MIPS Assembly Language Programming 80X86 IBM PC and Compatible Computers: Assembly Language, Design and Interfacing Vol. I and II (3rd Edition) Microcontrollers: From Assembly Language to C Using the PIC24 Family Assembly Language for the IBM PC Family (3rd Edition) Embedded Systems with ARM Cortex-M Microcontrollers in Assembly Language and C Embedded Systems with ARM Cortex-M3 Microcontrollers in Assembly Language and C ARM Assembly Language: Fundamentals and Techniques, Second Edition ARM Assembly Language: Fundamentals and Techniques

[Dmca](#)