80X86 IBM PC and Compatible Computers: Assembly Language, Design and Interfacing Vol. I and II (3rd Edition)

Muhammed Ali Mazidi, Janice Gillispie Mazidi, Janice Catherine Gillispie-Mazidi
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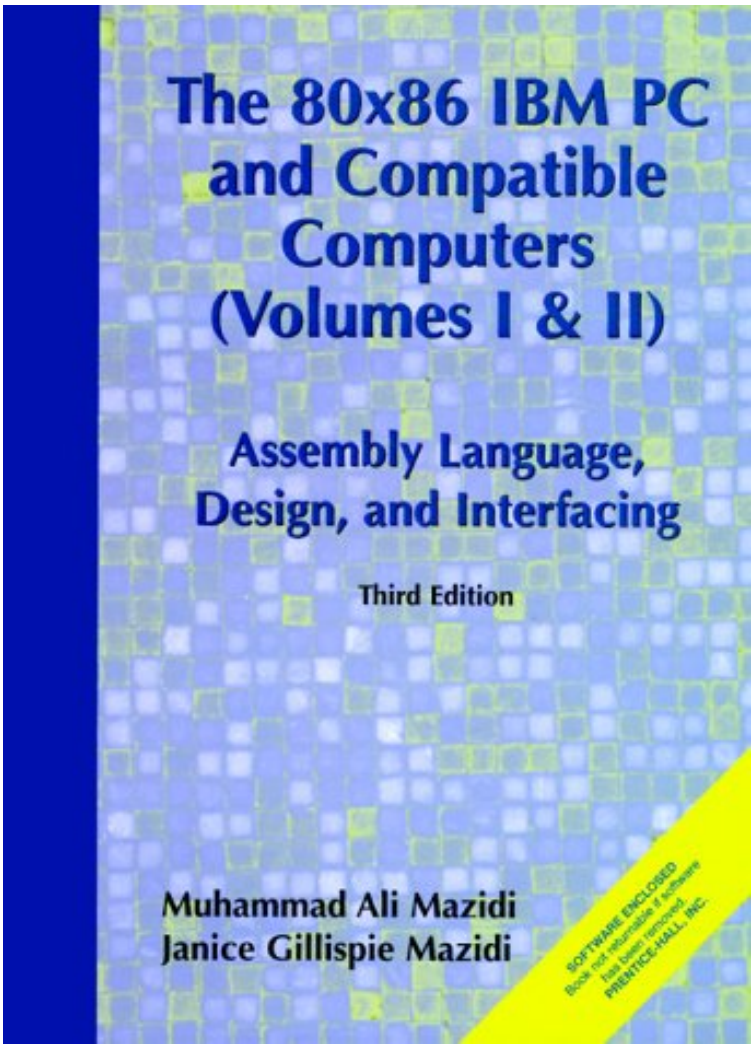

#3162517 in Books 2000-01-18Ingredients: Example IngredientsOriginal language:EnglishPDF # 1 1.68 x 8.34 x 11.16l, 4.96 #File Name: 01301656891024 pages | File size: 63.Mb

Muhammed Ali Mazidi, Janice Gillispie Mazidi, Janice Catherine Gillispie-Mazidi : 80X86 IBM PC and Compatible Computers: Assembly Language, Design and Interfacing Vol. I and II (3rd Edition) before purchasing it in order to gage whether or not it would be worth my time, and all praised 80X86 IBM PC and Compatible Computers: Assembly Language, Design and Interfacing Vol. I and II (3rd Edition):

0 of 0 people found the following review helpful. Prodigious book on assembly and interfacesBy OlivierExcellent book, even if it is dated from 1995, this is still accurate today.Strongly recommended to persons interested in assembly

language and in how a computer actually performs its tasks16 of 16 people found the following review helpful. Clear, concise, and informativeBy R. A. WilliamsThis book is exactly what you'd expect from M. Mazidi: a no-nonsense, implementation-oriented approach to the 80x86 processors that is accessible to the beginner yet detailed enough for experienced Intel assembly programmers. The introductory chapter provides basic background information that is usually taken for granted in application notes or data sheets. The background information is exceptionally useful to people who are beginning work on an Intel embedded system, or who wish to refresh their memory and keep up with industry developments.This book includes more than just theoretical discussion of x86 designe issues. It incorporates code examples and illustrations, and the information is up to date. It would be suitable as a textbook even at the undergraduate level, although I am using it as a low-level development resource.22 of 22 people found the following review helpful. Worth Every PennyBy A CustomerThis book is very well written. It's approach to learning assembly language and how 80x86 systems interface with peripherals is the best I've ever seen. The programming examples are clear, concise, and relevant. Hardware interfacing is heavily PC/XT centered (old), but is still relevant in many of today's embedded systems.The book also details how to use C to accomplish many of the same tasks that are often done in assembly. Well written low level interfacing in C and assembly, good luck finding any book that explains it better.As for complaints, the 3rd edition does not cover MMX or 3DNOW instructions in any depth. The parts on writing device drivers are weak. USB bus discussion is far too minimal. For a book published in 2000, I expect more in those areas.The above are my only complaints about the book. It is well worth the purchase price.

For microprocessor courses teaching the 80x86 family.Praised by experts for its clarity and topical breadth, this visually appealing, one-stop source on PCs uses an easy-to-understand, step-by-step approach to teaching the fundamentals of 80x86 assembly language programming and PC architecture. Offering students a fun, hands-on learning experience, it uses the Debug utility to show what action the instruction performs, then provides a sample program to show its application. Reinforcing concepts with numerous examples and review questions, its oversized pages delve into dozens of related subjects, including DOS memory map, BIOS, microprocessor architecture, supporting chips, buses, interfacing techniques, system programming, memory hierarchy, DOS memory management, tables of instruction timings, hard disk characteristics, and more.

From the Back CoverPraised by experts for its clarity and topical breadth, this visually appealing, one-stop source on PCs uses an easy-to-understand, step-by-step approach to teaching the fundamentals of 80x86 assembly language programming and PC architecture. It uses the Debug utility to show what action the instruction performs, then provides a sample program to show its application. Covers all of the x86 microprocessors, from the 8088 to the Pentium Pro. Combines assembly and C programming early on. Introduces the x86 instructions with examples of how they are used, and covers 8-bit, 16-bit, and 32-bit programming of x86 microprocessors. For anyone interested in computers and the 80x86 computer family.