Intel 8080 8085 Assembly Language Programming

Microcomputers and Microprocessors
8086/8088, 80186/80188, 80286, 80386, 80486, Pentium, Pentium Pro Processor, Pentium II, Pentium III, Pentium 4, and Core2 with 64-bit Extensions : Architecture, Programming, and Interfacing
Bulletin of Prosthetics Research
Microprocessor Architecture, Programming, and Applications with the 8085
The 8080/8085 Microprocessor Book
Microprocessor Engineering
Microcomputers and Microprocessors
A Comprehensive Guide to 8, 16 & 32 Bit Hardware, Assembly Language & Computer Architecture
8080/8085 Assembly Language Programming
8080/8085 Assembly Language Subroutines
Guide to Assembly Language Programming in Linux
MICROPROCESSORS AND MICROCONTROLLERS :: ARCHITECTURE, PROGRAMMING AND SYSTEM DESIGN 8085, 8086, 8051, 8096
ARCHITECTURE, PROGRAMMING AND SYSTEM DESIGN 8085, 8086, 8051, 8096
Introduction to Microprocessors
Attribute Grammars
Programming the Z80
INTEL
MICROPROCESSORS AND MICROCONTROLLERS
Microprocessor Software
McGraw-Hill Personal Computer Programming Encyclopedia
The 8085 Microprocessor: Architecture, Programming and Interfacing: Architecture, Programming and Interfacing
8080/8085 Assembly Language Programming Manual
The Z-80 Microcomputer Handbook
Software Development Tools
8086/8087/8088 Macro Assembly Language Reference Manual for 8080/8085-based Development Systems
CP/M Assembly Language Programming
Languages and Operating Systems
8080/8085 Assembly Language Programming
6502 Assembly Language Programming
Computer Organization and Assembly Language Programming
The 8080, 8085, and Z-80 : Programming, Interfacing, and Troubleshooting
A Macro Package for Structured Programming in Intel 8080/8085 Assembly Language
8080/8085 Software Design
Programming Concepts and Techniques

Computer Architecture and Organization: From 8085 to core2Duo & beyond
Microprocessors and Microcomputer-Based System Design
8080A/8085 Assembly Language Programming
The Intel Microprocessors
8080/8085 assembly language programming
Low-Level Programming

ANIYA GAEL

Microcomputers and Microprocessors Sybex
Familiarizes Microcomputer User with Z-80 Hardware & Software. Includes Instruction for "Computers on a Chip"
8086/8088, 80186/80188, 80286, 80386, 80486, Pentium, Pentium Pro Processor, Pentium II, Pentium III, Pentium 4, and Core2 with 64-bit Extensions : Architecture, Programming, and Interfacing PHI Learning Pvt. Ltd.
Microprocessor Engineering provides an insight in the structures and operating techniques of a small computer. The book is comprised of 10 chapters that deal with the various aspects of computing. The first two chapters tackle the basic arithmetic and logic processes. The third chapter covers the various memory devices, both ROM and RWM. Next, the book deals with the general architecture of microprocessor. The succeeding three chapters discuss the software aspects of machine operation, while the last remaining three chapters talk about the relationship of the microprocessor with the outside world. The text will be of great use to undergraduate students of various disciplines. Practitioners of computer-related fields with no previous digital experience will find this book useful.
Bulletin of Prosthetics Research Apress
This widely used, fully updated assembly language book provides basic information for the beginning programmer interested in computer architecture, operating systems, hardware manipulation, and compiler writing.Uses the Intel IA-32 processor family as its base, showing how to program for Windows and DOS. Is written in a clear and straightforward manner for high readability. Includes a companion CD-ROM with all sample programs, and Microsoft® Macro Assembler Version 8, along with an extensive companion Website maintained by the author. Covers machine architecture, processor architecture, assembly language fundamentals, data transfer, addressing and arithmetic, procedures, conditional processing, integer arithmetic, strings and arrays, structures and macros, 32-bit Windows programming, language interface, disk fundamentals, BIOS-level programming, MS-DOS programming, floating-point programming, and IA-32 instruction encoding.For embedded systems programmers and engineers, communication specialists, game programmers, and graphics programmers.
Microprocessor Architecture, Programming, and Applications with the 8085 Macmillan Publishing Company
Covers Programming the Z80 in Assembly Language & Teaches Both Novices & Advanced Programmers to

Write Complete Z80 Programs. Requires No Prior Knowledge of Programming
The 8080/8085 Microprocessor Book Springer Science & Business Media
An introduction to microprocessors, updated to cover recent models. Designed as a first course in microcomputers, this new edition covers the hardware and machine language software of the 8080/8085 and Z-80 8-bit microprocessors. It explores various aspects of microcomputer technology using examples of 8080/8085 and Z-80 applications.
Microprocessor Engineering Springer Science & Business Media
Loaded with troubleshooting tips, this guide will help users develop an understanding of the hardware components of a microcomputer system and the role of the software to control that hardware. Highlights three compatible 8-bit microprocessor chips as models—the Intel 8080 and 8085, and the Zilog Z-80—and takes readers step-by-step through the building of a microcomputer to help them learn the differences between RAM and ROM and how these two types of memory are interfaced to the microprocessor; how the input and output port works; and how to construct a serial interface. Uses 14 detailed program examples to illustrate common programming techniques used in software, and culminates with the development of an assembly language game program called NIM. Covers the latest memory technologies, i.e, flash memory and synchronous drams; new modem standards, such as the V.34 28.8K and V.90 56K; changes in floppy and hard disk technologies; and detailed descriptions on each of the 80x86 processor family members through the Pentium II. Contains over 50 quality illustrations and diagrams, and describes more than 70 lab projects. For electrical engineers, or anyone seeking a foundation in microcomputer technology.
Microcomputers and Microprocessors McGraw-Hill Osborne Media
Asynchronous serial communications; Interrupt applications; Data structures; Searching; Sorting; Look-up tables; Command decoders; System monitors; Breakpoints and debuggers.
A Comprehensive Guide to 8, 16 & 32 Bit Hardware, Assembly Language & Computer Architecture McGraw-Hill Companies
Provides a comprehensive guide to all of the major microprocessor families (8, 16 and 32 bit). The hardware aspects and software implications are described, giving the reader an overall understanding of microcomputer architectures. The internal processor operation of each microprocessor device is presented, followed by descriptions of the instruction set and applications for the device. Software considerations are expanded with descriptions and examples of the main high level programming languages (BASIC, Pascal and C). The book also includes detailed descriptions of the three main operating systems (CP/M, DOS and UNIX) common to the most modern personal computers.
8080/8085 Assembly Language Programming Pearson Education India
Computer Organization and Assembly Language Programming deals with lower level computer programming-machine or assembly language, and how these are used in the typical computer system. The book explains the operations of the computer at the machine language level. The text reviews basic computer operations, organization, and deals primarily with the MIX computer system.

The book describes assembly language programming techniques, such as defining appropriate data structures, determining the information for input or output, and the flow of control within the program. The text explains basic I/O programming concepts, technique of interrupts, and an overlapped I/O. The text also describes the use of subroutines to reduce the number of codes that are repetitively written for the program. An assembler can translate a program from assembly language into a loader code for loading into the computer's memory for execution. A loader can be of several types such as absolute, relocatable, or a variation of the other two types. A linkage editor links various small segments into one large segment with an output format similar to an input format for easier program handling. The book also describes the use of other programming languages which can offer to the programmer the power of an assembly language by his using the syntax of a higher-level language. The book is intended as a textbook for a second course in computer programming, following the recommendations of the ACM Curriculum 68 for Course B2 "Computers and Programming.

8080/8085 Assembly Language Subroutines Academic Press

The book uses microprocessors 8085 and above to explain the various concepts. It not only covers the syllabi of most Indian universities but also provides additional information about the latest developments like Intel Core? II Duo, making it one of the most updated textbook in the market. The book has an excellent pedagogy; sections like food for thought and quicksand corner make for an interesting read.

Guide to Assembly Language Programming in Linux Osborne Publishing

This book treats the problem of formulating models in mathematical programming, and thereafter solving the resulting model. Particular emphasis is placed on the interaction between the two. The topic is viewed from different angles, namely linear programming (Walter Murray), integer programming (Ellis Johnson), network flows (John Mulvey), and stochastic programming (Roger J-B Wets). The book will be very useful for any mathematics programmer or operations researcher who works in the field of real-world modelling. The book is an important part of any university course in modelling, particularly in operations research, economics and business. The book also contains an article on the origins of mathematical programming (Alexander Rinnooy Kan). This is important reading for anyone interested in the history of the field.

MICROPROCESSORS AND MICROCONTROLLERS :: ARCHITECTURE, PROGRAMMING AND SYSTEM DESIGN 8085, 8086, 8051, 8096 Independently Published

Explains Assembly Language Programming & Describes Assemblers & Assembly Instructions

ARCHITECTURE, PROGRAMMING AND SYSTEM DESIGN 8085, 8086, 8051, 8096 Intel Books

This book provides the students with a solid foundation in the technology of microprocessors and microcontrollers, their principles and applications. It comprehensively presents the material necessary for understanding the internal architecture as well as system design aspects of Intel’s legendary 8085 and 8086 microprocessors and Intel’s 8051

and 8096 microcontrollers. The book throughout maintains an appropriate balance between the basic concepts and the skill sets needed for system design. Besides, the book lucidly explains the hardware architecture, the instruction set and programming, support chips, peripheral interfacing, and cites several relevant examples to help the readers develop a complete understanding of industrial application projects. Several system design case studies are included to reinforce the concepts discussed. With exhaustive coverage provided and practical approach emphasized, the book would be indispensable to undergraduate students of Electrical and Electronics, Electronics and Communication, and Electronics and Instrumentation Engineering. It can be used for a variety of courses in Microprocessors, Microcontrollers, and Embedded System Design.

Introduction to Microprocessors Sams Technical Publishing

This book provides the students with a solid foundation in the technology of microprocessors and microcontrollers, their principles and applications. It comprehensively presents the material necessary for understanding the internal architecture as well as system design aspects of Intel's legendary 8085 and 8086 microprocessors and Intel's 8051 and 8096 microcontrollers. The book throughout maintains an appropriate balance between the basic concepts and the skill sets needed for system design. Besides, the book lucidly explains the hardware architecture, the instruction set and programming, support chips, peripheral interfacing, and cites several relevant examples to help the readers develop a complete understanding of industrial application projects. Several system design case studies are included to reinforce the concepts discussed. With exhaustive coverage and practical approach, the book would be indispensable to undergraduate students of Electrical and Electronics, Electronics and Communication, and Electronics and Instrumentation Engineering. It can be used for a variety of courses in Microprocessors, Microcontrollers, and Embedded System Design. The second edition of the book introduces additional topics like I/O interfacing and programming, serial interface programming, delay programming using 8086 and 8051. Besides, many more examples and case studies have been added.

Attribute Grammars John Wiley & Sons

INTEL8080/8085 Assembly Language ProgrammingA Macro Package for Structured Programming in Intel 8080/8085 Assembly Language8080/8085 Assembly Language ProgrammingIntel BooksMicrocomputers and MicroprocessorsThe 8080, 8085, and Z-80 : Programming, Interfacing, and Troubleshooting

Programming the Z80 Prentice Hall

The first of its kind to offer an integrated treatment of both the hardware and software aspects of the microprocessor, this comprehensive and thoroughly updated book focuses on the 8085 microprocessor family to teach the basic concepts underlying programmable devices. A three-part organization covers concepts and applications of microprocessor-based systems: hardware and interfacing, programming the 8085, and interfacing peripherals (I/Os) and applications.

INTEL Elsevier

This comprehensive guide for experienced programmers thoroughly explains every 6502 and 65C02 instruction and covers assembler

conventions, programming the interrupt system, and interfacing methods for input/output devices

MICROPROCESSORS AND MICROCONTROLLERS Elsevier

The 8085 Microprocessor: Architecture, Programming and Interfacing is designed for an undergraduate course on the 8085 microprocessor, this text provides comprehensive coverage of the programming and interfacing of the 8-bit microprocessor. Written in a simple and easy-to-understand manner, this book introduces the reader to the basics and the architecture of the 8085 microprocessor. It presents balanced coverage of both hardware and software concepts related to the microprocessor.

Microprocessor Software Reston

Introduces Linux concepts to programmers who are familiar with other operating systems such as Windows XP Provides comprehensive coverage of the Pentium assembly language

McGraw-Hill Personal Computer Programming Encyclopedia CRC Press

Microprocessors and Microcomputer-Based System Design, Second Edition, builds on the concepts of the first edition. It discusses the basics of microprocessors, various 32-bit microprocessors, the 8085 microprocessor, the fundamentals of peripheral interfacing, and Intel and Motorola microprocessors. This edition includes new topics such as floating-point arithmetic, Program Array Logic, and flash memories. It covers the popular Intel 80486/80960 and Motorola 68040 as well as the Pentium and PowerPC microprocessors. The final chapter presents system design concepts, applying the design principles covered in previous chapters to sample problems.