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Computer Graphics & Graphics Applications Readers gain a full understanding of today's digital world with the cohesive framework and logical organization found only in Parsons' NEW PERSPECTIVES ON COMPUTER CONCEPTS 2016, COMPREHENSIVE. Newly revised and reorganized, this dynamic book provides the latest updates on emerging technology with engaging learning features, informative visuals and hands-on activities proven to increase learning effectiveness. A new introduction highlights today's digital evolution, while new coverage of social media and online security examines concepts behind the trends. Readers explore the principles behind the wide scope of digital devices in use today with the book's enhanced focus on the connectivity that pervades modern life. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This 1989 book provides an introduction to the immensely important area of computer networking. Sams Teach Yourself C Programming in One Hour a Day, Seventh Edition is the newest version of the worldwide best-seller Sams Teach Yourself C in 21 Days. Fully revised for the new C11 standard and

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libraries, it now emphasizes platform-independent C programming using free, open-source C compilers. This edition strengthens its focus on C programming fundamentals, and adds new material on popular C-based object-oriented programming languages such as Objective-C. Filled with carefully explained code, clear syntax examples, and well-crafted exercises, this is the broadest and deepest introductory C tutorial available. It's ideal for anyone who's serious about truly mastering C – including thousands of developers who want to leverage its speed and performance in modern mobile and gaming apps. Friendly and accessible, it delivers step-by-step, hands-on experience that starts with simple tasks and gradually builds to professional-quality techniques. Each lesson is designed to be completed in hour or less, introducing and clearly explaining essential concepts, providing practical examples, and encouraging you to build simple programs on your own. Coverage includes:

- Understanding C program components and structure
- Mastering essential C syntax and program control
- Using core language features, including numeric arrays, pointers, characters, strings, structures, and variable scope
- Interacting with the screen, printer, and keyboard
- Using functions and exploring the C Function Library
- Working with memory and the compiler

Contents at a Glance PART I:
FUNDAMENTALS OF C 1 Getting Started with C 2

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The Components of a C Program 3 Storing Information: Variables and Constants 4 The Pieces of a C Program: Statements, Expressions, and Operators 5 Packaging Code in Functions 6 Basic Program Control 7 Fundamentals of Reading and Writing Information PART II: PUTTING C TO WORK 8 Using Numeric Arrays 9 Understanding Pointers 10 Working with Characters and Strings 11 Implementing Structures, Unions, and TypeDefs 12 Understanding Variable Scope 13 Advanced Program Control 14 Working with the Screen, Printer, and Keyboard PART III: ADVANCED C 15 Pointers to Pointers and Arrays of Pointers 16 Pointers to Functions and Linked Lists 17 Using Disk Files 18 Manipulating Strings 19 Getting More from Functions 20 Exploring the C Function Library 21 Working with Memory 22 Advanced Compiler Use PART IV: APPENDIXES A ASCII Chart B C/C++ Reserved Words C Common C Functions D Answers

Updated and upgraded ASCII. The American Standard Code aimed at Information Interchange (ASCII / aeski/ ASS-kee) is a character-encoding stratagem initially founded on the English ABCs that encodes 128 stated types - the numerals 0-9, the letters A-Z and A-Z, a few fundamental punctuation signs, a few command ciphers that derived with Teletype devices, and a empty expanse - in to the 7-bit binary integers. There has never been a ASCII

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Guide like this. It contains 87 answers, much more than you can imagine; comprehensive answers and extensive details and references, with insights that have never before been offered in print. Get the information you need--fast! This all-embracing guide offers a thorough view of key knowledge and detailed insight. This Guide introduces what you want to know about ASCII. A quick look inside of some of the subjects covered: Escape character - ASCII escape character, Delimiter - ASCII delimited text, ASCII art "Amiga"/"Oldskool" style ASCII art, Binary code - ASCII code, Extended ASCII - ISO 8859 and proprietary adaptations, ASCII art The Adventures of Nerd Boy, ASCII (company) - Early ASCII (1977-1990), ASCII art Unicode, ASCII art ASCII comic, ASCII (disambiguation), ASCII art Uses, ATASCII Graphic characters, ASCII art Image to text conversion, Data Link Escape - C0 (ASCII and derivatives), 3568 ASCII, Code page 367 - ASCII printable characters, ASCII Unicode, ASCII art Shift_JIS, ASCII art C-64 PETSCII, ASCII Variants, ATASCII Control characters, DEC SIXBIT - Examples of six-bit ASCII variants, ASCII art ASCII art programs, ASCII art Typewriter art, ATASCII ATASCII animations, Extended ASCII - Multi-byte character encodings, ASCII ASCII control characters, ASCII art Special circumstances of Japan, ATASCII ATASCII in action, ATASCII Interoperation, ASCII History, ASCII 7-bit, Percent

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sign - ASCII, Codepage - Relationship to ASCII, ASCII art ANSI, Text file - ASCII, ASCII art Newskool style ASCII art, and much more..

Data Communication and Networking, First Edition provides a solid, thorough overview of data communications and networking for Engineering Technology programs. This text covers information for one or more courses spanning digital communication systems, computer communication and networks, and data communications. It is specifically written and designed for engineering and engineering technology learners by using a systematic and visual approach with abundant tables, illustrations, and practical examples making it easy for students to comprehend concepts. Content begins with data communication, signal conversion and issues in data transmission. Each chapter includes an introduction, summary of key information, as well as practice questions and problems with answers. The text also includes coverage of network and network standards, Ethernet, network components and Transmission Control and Internets Protocols (TCP/IP). The integration of applications and laboratory experiments are found throughout the text, making Data Communication and Networking, First Edition a one-of-a-kind and practical text. Important Notice: Media content referenced within the product description or the product text may not be available

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in the ebook version.

The fast-emerging field of multimedia communications involves the use of various media types - text, images, speech, audio and video in a wide range of subject areas. The book presents these subject areas in-depth that enables the reader to build up a thorough understanding of the technical issues associated with this rapidly evolving subject. The book begins with goals, objectives and characteristics of multimedia, multimedia building blocks, multimedia architecture, distributed multimedia applications streaming technologies, multimedia database systems, multimedia authoring tools and applications. It describes image and audio fundamentals and their file formats, image compression and audio compression techniques. It also describes video signal formats, video transmission standards and video file formats. It also explains types of animations, principles of animation, animation techniques and introduces OpenGL primitives, shadowing techniques and rendering. The book also covers advanced multimedia topics such as virtual reality, multimedia communication, multimedia networking, quality data transmission and multimedia in Android.

This book reflects thirty years of experience in the applications of computer technology to literary research and instruction and in consulting work in office automation and system integration. In that time

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I have again and again found myself in the position of having to introduce students, both undergraduate and graduate, colleagues and clients to the fundamentals of computer hardware and software. Over the years, as computers became both central and commonplace in professional life, I have been aware of changing attitudes toward this technology. From attitudes that ranged from the disdain of platonic dialecticians for mere technology to intimidation bordering at times almost on terror, people have moved to incorporate this new technology into their frame of reference (*humani nil a me alienum*). The development of the microprocessor and its subsequent use for word processing marked one important watershed. The widespread use of word processors made it more likely than not that people would own their own computers, at least at work, and use them as part of their work-a-day activities. But while word processing provided some increased familiarity with computers, it did not lead most individuals much beyond a knowledge of the usual incantations needed to control the MultiMate or Nota Bene or Word Perfect golam and, as a result of unhappy experience, a begrudging acceptance of the need to make back up copies of important files.

Programmable Logic Controllers – the Complete Guide to the Technology, by C.T. Jones A Great Learning Tool for PLC Beginners! Programmable

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Logic Controllers includes 15 in-depth chapters that covers the basics, as well as every important aspect of PLCs. Each topic is written in a modular style that allows that each subject be covered thoroughly and in one place. Chapters on specialized topics such as Programming and Documenting the Control System, Introduction to Local Area Networks, and Intelligent I/O provide a plain English and thorough introduction to important related topics. These latter chapters are like books in themselves. This book provides the most comprehensive, practical, and easy to understand source on the subject of PLCs. The answers to the many questions readers have regarding system design, programming, Implementation, startup, and maintenance will be made crystal clear! Book Highlights § 470 pages with Appendix § Extensive Glossary & Index § Over 300 Detailed Illustrations § Modular Presentation of Topics § A Completely Generic Discussion § Both a Training and Reference Tool § Presented in Concise and Easily Read Language § Comprehensive Coverage of Every Important PLC Topic Book Chapters Chapter 1: Introduction to Programmable Controllers Chapter 2: Number Systems, Data Formats, and Binary Codes Chapter 3: The Central Processing Unit and Power Supply Chapter 4: The PLC's Application Memory Chapter 5: Input/Output System Overview Chapter 6: Discrete Input/Output Modules Chapter 7: Analog Input/Output Modules

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Chapter 8: Intelligent Input/Output Modules Chapter 9: Programming and Documentation Systems Chapter 10: Introduction to Local Area Networks Chapter 11: The Ladder Programming Language Chapter 12: Alternative Programming Languages Chapter 13: Control System Configuration and Hardware Selection Chapter 14: Programming and Documenting the Control System Chapter 15: Installation, Startup, and Maintenance

Discover a modern introduction to computer concepts with UNDERSTANDING COMPUTERS: TODAY AND TOMORROW, COMPREHENSIVE, 16E. Known for a unique emphasis on societal issues and industry insights from respected leaders, this book provides reliable information to help readers learn about emerging technologies that may impact the way industries conduct business in the future. Readers become familiar with exciting technology developments and take a sneak peek at the future of modular smartphones, smartphone driver licenses, robot butlers and other robotic assistants, perceptual computing, smart clothes, 4K video, and emerging networking standards.

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1. Introduction to Bioinformatics 2. Introduction to Computers 3. Introduction to Internet 4. Search Engines: Tools for Web Search 5. Programming

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Languages 6. Genomics and Proteomics 7. Biological Databases 8. Sequence Analysis 9. Phylogenetic Analysis 10. Microarray Technology: A Boon to Biological Sciences 11. Bioinformatic..s in Drug Discovery: A Brief Overview 12. Genome Sequencing Projects 13. BTIS Network In India Index

Annotation nbsp; The best selling MS-DOS book is now fully up20010620d to include the latest Microsoft operating systems. Completely revised and updated from the best selling second edition with essential new coverage for todays DOS environment. Considered a MUST for anyone dealing with legacy DOS applications. Provides the reader a complete listing and explanation of DOS commands that work with Windows 95, 98, 2000, ME, and Windows NT. Special Edition Using MS-DOS 6.22, Third Edition is a successful bestseller and the only up-to-date title on the market today that is geared toward the intermediate to advanced user. This edition will add to the second editions coverage in the following areas: Updates the entire book to reflect current technology and provide better readability; updates compatibility with the addition of Windows ME/2000 operating systems; updates the appendices on non-Microsoft versions of DOS, providing a reference that is impossible to find anywhere else. nbsp;

This Book Has Been Developed As A Text For A

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One Semester Course On The Hardware And Software Of Personal Computers. It Will Also Be Of Interest To Practicing Engineers And Professionals Who Wish To Develop Their Own Hardware And Software For Special Pc-Based Applications. Apart From Providing All The Significant Hardware And Software Details For Ibm-Pcs And Its Close Compatibles, It Also Presents A Comprehensive Description Of How The Pc Works And The Various Functions That It Can Provide. A Large Number Of Interesting And Useful Problems Have Been Given At The End Of Each Chapter. A Set Of Objective Type Questions Has Also Been Provided To Allow The Reader To Review His/Her Understanding Of The Material In The Text. This Book Has Been Developed As A Text For A One Semester Course On The Hardware And Software Of Personal Computers. It Will Also Be Of Interest To Practicing Engineers And Professionals Who Wish To Develop Their Own Hardware And Software For Special Pc-Based Applications. Apart From Providing All The Significant Hardware And Software Details For Ibm-Pcs And Its Close Compatibles, It Also Presents A Comprehensive Description Of How The Pc Works And The Various Functions That It Can Provide. A Large Number Of Interesting And Useful Problems Have Been Given At The End Of Each Chapter. A Set Of Objective Type Questions Has Also Been Provided To Allow The Reader To Review His/Her

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Understanding Of The Material In The Text.

Take your students beyond the basics with the award-winning NEW PERSPECTIVES ON COMPUTER CONCEPTS. Designed to get all students up-to-speed on essential computer literacy skills, this market leading text goes deeper, providing students with the technical and practical information they need for academic and career success. NEW PERSPECTIVES ON COMPUTER CONCEPTS 2016 incorporates significant technology trends that affect computing and everyday life; such as concerns for data security, personal privacy, online safety, controversy over digital rights management, interest in open source software and portable applications, and more. In addition, coverage of Microsoft Windows 8 and Office 2013 will introduce your students to the exciting new features of Microsoft's next generation of software. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

A new series of bespoke, full-coverage resources developed for the 2016 GCSE Computer Science qualifications. Written for the AQA GCSE Computer Science specification for first teaching from 2016, this print Student Book uses an exciting and engaging approach to help students build their knowledge and master underlying computing principles and concepts. Designed to develop computational thinking,

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programming and problem-solving skills, this resource includes challenges that build on learning objectives, and real-life examples that demonstrate how computer science relates to everyday life. Remember features act as revision references for students and key mathematical skills relevant to computer science are highlighted throughout. A digital Cambridge Elevate-enhanced Edition and a free digital Teacher's Resource are also available.

This is an updated guide for anyone who needs an introduction to personal computer technology, including computer programming, new technologies and shopping for a PC.

A new series of bespoke, full-coverage resources developed for the 2016 GCSE Computer Science qualifications. Written for the OCR GCSE Computer Science specification for first teaching from 2016, this print Student Book uses an exciting and engaging approach to help students build their knowledge and master underlying computing principles and concepts. Designed to develop computational thinking, programming and problem-solving skills, this resource includes challenges that build on learning objectives, and real-life examples that demonstrate how computer science relates to everyday life. Remember features act as revision references for students and key mathematical skills relevant to computer science are highlighted throughout. A digital Cambridge Elevate-enhanced Edition and a free digital Teacher's Resource are also available.

First published a decade ago, CJKV Information

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Processing quickly became the unsurpassed source of information on processing text in Chinese, Japanese, Korean, and Vietnamese. It has now been thoroughly updated to provide web and application developers with the latest techniques and tools for disseminating information directly to audiences in East Asia. This second edition reflects the considerable impact that Unicode, XML, OpenType, and newer operating systems such as Windows XP, Vista, Mac OS X, and Linux have had on East Asian text processing in recent years. Written by its original author, Ken Lunde, a Senior Computer Scientist in CJKV Type Development at Adobe Systems, this book will help you: Learn about CJKV writing systems and scripts, and their transliteration methods Explore trends and developments in character sets and encodings, particularly Unicode Examine the world of typography, specifically how CJKV text is laid out on a page Learn information-processing techniques, such as code conversion algorithms and how to apply them using different programming languages Process CJKV text using different platforms, text editors, and word processors Become more informed about CJKV dictionaries, dictionary software, and machine translation software and services Manage CJKV content and presentation when publishing in print or for the Web Internationalizing and localizing applications is paramount in today's global market -- especially for audiences in East Asia, the fastest-growing segment of the computing world. CJKV Information Processing will help you understand how to develop web and other applications effectively in a field that many find difficult to

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master.

Readers examine two of the most prominent operating systems -- Windows 10 and Linux CentOS7 -- in parallel with the unique approach found only in *GUIDE TO PARALLEL OPERATING SYSTEMS WITH WINDOWS 10 AND LINUX, 3E*. Rather than using a compare and contrast model, the book presents each topic conceptually before demonstrating it simultaneously on both operating systems. Readers can instantly switch between Windows 10 and Linux CentOS 7 to complete the myriad of hands-on activities that reinforce the similarities between the two operating systems for each conceptual task. The text's virtualization approach provides flexibility that enables readers to use Microsoft Hyper-V Client, Oracle VirtualBox, or VMWare Workstation. This comprehensive guide helps users develop the competencies needed in Windows 10 and Linux to maximize success in today's classroom or tomorrow's business environment. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This addition to the Macmillan Master Series provides an up-to-date account of all the component parts of the Internet and the World Wide Web, from architecture through to networking.

This book covers fundamentals of Object Oriented Programming with Java at both basic and advanced levels. Replete with numerous solved examples and practical problems, it offers a balanced treatment of theory and practice for developing desktop, enterprise,

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and web applications.

while (dead_horse) beat (): If you're like most people, the above seems like nonsense. Actually, it's computer sense—C programming. After digesting C For Dummies, 2nd Edition, you'll understand it. C programs are fast, concise and versatile. They let you boss your computer around for a change. So turn on your computer, get a free compiler and editor (the book tells you where), pull up a chair, and get going. You won't have to go far (page 13) to find your first program example. You'll do short, totally manageable, hands-on exercises to help you make sense of: All 32 keywords in the C language (that's right—just 32 words) The functions—several dozen of them Terms like printf(), scanf(), gets (), and puts () String variables, numeric variables, and constants Looping and implementation Floating-point values In case those terms are almost as intimidating as the idea of programming, be reassured that C For Dummies was written by Dan Gookin, bestselling author of DOS For Dummies, the book that started the whole library. So instead of using expletives and getting headaches, you'll be using newly acquired skills and getting occasional chuckles as you discover how to: Design and develop programs Add comments (like post-it-notes to yourself) as you go Link code to create executable programs Debug and deploy your programs Use lint, a common tool to examine and optimize your code A

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helpful, tear-out cheat sheet is a quick reference for comparison symbols, conversion characters, mathematical doodads, C numeric data types, and more. C For Dummies takes the mystery out of programming and gets you into it quickly and painlessly.

Designed for a one-semester course in Finite Element Method, this compact and well-organized text presents FEM as a tool to find approximate solutions to differential equations. This provides the student a better perspective on the technique and its wide range of applications. This approach reflects the current trend as the present-day applications range from structures to biomechanics to electromagnetics, unlike in conventional texts that view FEM primarily as an extension of matrix methods of structural analysis. After an introduction and a review of mathematical preliminaries, the book gives a detailed discussion on FEM as a technique for solving differential equations and variational formulation of FEM. This is followed by a lucid presentation of one-dimensional and two-dimensional finite elements and finite element formulation for dynamics. The book concludes with some case studies that focus on industrial problems and Appendices that include mini-project topics based on near-real-life problems.

Postgraduate/Senior undergraduate students of civil, mechanical and aeronautical engineering will find

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this text extremely useful; it will also appeal to the practising engineers and the teaching community. Go beyond computing basics with the award-winning **NEW PERSPECTIVES ON COMPUTER CONCEPTS**. Designed to get you up-to-speed on essential computer literacy skills, this market leading text goes deeper, providing technical and practical information relevant to everyday life. **NEW PERSPECTIVES ON COMPUTER CONCEPTS 2014** incorporates significant technology trends that affect computing and everyday life; such as concerns for data security, personal privacy, online safety, controversy over digital rights management, interest in open source software and portable applications, and more. In addition, coverage of Microsoft Windows 8 and Office 2013 will introduce you to the exciting new features of Microsoft's next generation of software. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Readers gain a full understanding of today's digital world with the cohesive framework and logical organization found only in **NEW PERSPECTIVES ON COMPUTER CONCEPTS 2016, ENHANCED, COMPREHENSIVE**. This dynamic book provides the latest updates on emerging technology with engaging learning features, informative visuals and hands-on activities proven to increase learning

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effectiveness. An insightful introduction highlights today's digital evolution, while coverage of social media and online security examines concepts behind today's technology challenges and trends. Readers explore the principles underlying the wide scope of digital devices in use today with the book's unique focus on the connectivity that pervades modern life. This Enhanced Edition includes a new hands-on programming chapter that lets even readers with no prior coding experience learn to program with instant success using Python™. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Only Windows XP Home Edition Resource You Need—Now Completely Updated Here's the insider knowledge you need to maximize Microsoft's powerful home operating system, whether you're moving straight to XP or upgrading from Windows 98 or Me. This encyclopedic guide delivers full coverage of every topic from installation and multimedia, to security and networking. Beginners can start off by using Windows XP on a stand-alone computer and connecting to the Internet, while experienced users can quickly build and secure a home network, work with the Registry to change XP's behavior, and optimize and troubleshoot Windows XP. Coverage includes: Upgrading from Windows 98 or Me Taking full advantage of XP multi-user support Customizing

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Windows XP Installing, removing, and running programs Sharing files securely--or keeping them private Adding hardware and installing drivers Connecting your computer or network to the Internet Sending secure e-mail and minimizing spam Communicating via the latest versions of Windows Messenger Using Windows Firewall Getting and giving help via the Internet Enjoying audio, video, and DVDs with Windows Media Player 10 Burning audio and data CDs Building a secure home network Using Microsoft PowerToys Using VPNs and connecting to a company network Setting up wireless networks with Wi-Fi Protected Access (WPA)

Configure, run, and troubleshoot Windows Vista Home Premium or Windows Vista Home Basic with the detailed coverage you'll find in this comprehensive guide. With a task-based approach and clear instructions, this book helps you become an advanced user of Windows Vista—even if you're just starting out. From administering your computer and surfing the Web securely to advanced maneuvers such as creating your own movies and burning DVDs, you'll find what you need to master the powerful features of Windows Vista.

This third volume of the series *Changing the Global Approach to Medicine* explores the programmed command and control functions in a biologic cell. Command and control functions facilitate the

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intricately organized bio computer systems internal to the cell. Guidance of command and control functions is direct from static intelligence in the human genome. Recognizing all organic life shares similar biologic systems dictates that similar genetics are shared amongst species. A Prime Genome represents all of the fundamental elements and unique portions of the genomes that have ever existed on Earth. The original Prime Genome provided the general instructions necessary to create the various forms of life that have flourished.

Ecometabolous is the strategy by which the Prime Genome morphed the elements of a hostile planet into a functional ecosystem with the expected outcome resulting in human form. Also introduced is the concept of the universal component of matter the tritron and sub-sub atomic particle physics, which comprise the essential fabric of the universe.

The predominant language used in embedded microprocessors, assembly language lets you write programs that are typically faster and more compact than programs written in a high-level language and provide greater control over the program applications. Focusing on the languages used in X86 microprocessors, X86 Assembly Language and C Fundamentals explains how to write programs in the X86 assembly language, the C programming language, and X86 assembly language modules embedded in a C program. A wealth of program design examples, including the complete code and outputs, help you grasp the concepts more easily. Where

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needed, the book also details the theory behind the design. Learn the X86 Microprocessor Architecture and Commonly Used Instructions Assembly language programming requires knowledge of number representations, as well as the architecture of the computer on which the language is being used. After covering the binary, octal, decimal, and hexadecimal number systems, the book presents the general architecture of the X86 microprocessor, individual addressing modes, stack operations, procedures, arrays, macros, and input/output operations. It highlights the most commonly used X86 assembly language instructions, including data transfer, branching and looping, logic, shift and rotate, and string instructions, as well as fixed-point, binary-coded decimal (BCD), and floating-point arithmetic instructions. Get a Solid Foundation in a Language Commonly Used in Digital Hardware Written for students in computer science and electrical, computer, and software engineering, the book assumes a basic background in C programming, digital logic design, and computer architecture. Designed as a tutorial, this comprehensive and self-contained text offers a solid foundation in assembly language for anyone working with the design of digital hardware.

In today's world where technology impacts every aspect of life, you need to know how to evaluate devices, choose apps, maintain a professional online reputation, and ensure digital security. NEW PERSPECTIVES ON COMPUTER CONCEPTS 2018, INTRODUCTORY offers the insights to help. This book goes beyond the intuitive how-to of apps and social media to delve into

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broad concepts that are guiding current technologies such as self-driving cars, virtual reality, file sharing torrents, encrypted communications, photo forensics, and the Internet of Things. Numerous illustrations and interactive features make mastering technical topics a breeze, while the book's proven learning path is structured with today's busy reader in mind. This edition offers an insightful overview of what today's readers must know about using technology to complete an education, secure a successful career, and engage in issues that shape today's world. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Revised and updated with the latest information in the field, the Fourth Edition of Computer Science Illuminated continues to engage and enlighten students on the fundamental concepts and diverse capabilities of computing. Written by two of today's most respected computer science educators, Nell Dale and John Lewis, the text provides a broad overview of the many aspects of the discipline from a generic view point. Separate program language chapters are available as bundle items for those instructors who would like to explore a particular programming language with their students. The many layers of computing are thoroughly explained beginning with the information layer, working through the hardware, programming, operating systems, application, and communication layers, and ending with a discussion on the limitations of computing. Perfect for introductory computing and computer science courses, the fourth edition's thorough presentation of computing systems

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provides computer science majors with a solid foundation for further study, and offers non-majors a comprehensive and complete introduction to computing. "This book is essential reading for students of software engineering and electronic design and for disciplines from production engineering to process control during project work. It will also be a handy reference book for professional engineers, system designers, consultants and technical support."--Jacket.

Understanding Computers: Today and Tomorrow gives your students a classic introduction to computer concepts with a modern twist! Known for its emphasis on industry insight and societal issues, this text makes concepts relevant to today's career-focused students and has increased emphasis on mobile computing and related issues such as mobile commerce and mobile security. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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Lines, boxes, etcextended ASCII and special charactersMastering Microsoft Windows Vista HomePremium and BasicJohn Wiley & Sons

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