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Linux with Operating System Concepts - Richard Fox 2021-12-29

A True Textbook for an Introductory Course, System Administration Course, or a Combination Course Linux with Operating System Concepts, Second Edition merges conceptual operating system (OS) and Unix/Linux topics into one cohesive textbook for undergraduate students. The book can be used for a one- or two-semester course on Linux or Unix. It is complete with review sections, problems, definitions, concepts and relevant introductory material, such as binary and Boolean logic, OS kernels and the role of the CPU and memory hierarchy. Details for Introductory and Advanced Users The book covers Linux from both the user and system administrator positions. From a user perspective, it emphasizes command-line interaction. From a system administrator perspective, the text reinforces shell scripting with examples of administration scripts that support the automation of administrator tasks. Thorough Coverage of Concepts and Linux Commands The author incorporates OS concepts not found in most Linux/Unix textbooks, including kernels, file systems, storage devices, virtual memory and process management. He also introduces computer science topics, such as computer networks and TCP/IP, interpreters versus compilers, file compression, file system integrity through backups, RAID and encryption technologies, booting and the GNU's C compiler. New in this Edition The book has been updated to systemd Linux and the newer services like Cockpit, NetworkManager, firewalld and journald. This edition explores Linux beyond CentOS/Red Hat by adding detail on Debian distributions. Content across most topics has been updated and improved.

Principles of Information Systems - Ralph Stair 2009-01-07

Now thoroughly streamlined and revised, PRINCIPLES OF INFORMATION SYSTEMS, Ninth Edition, retains the overall vision and framework that made the previous editions so popular while eliminating outdated topics and updating information, examples, and case studies. In just 600 pages, accomplished authors Ralph Stair and George Reynolds cover IS principles and their real-world applications using timely, current business examples and hands-on activities. Regardless of their majors, students can use this book to understand and practice IS principles so they can function more effectively as workers, managers, decision makers, and organizational leaders. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Distributed Operating Systems - Andrew S. Tanenbaum 1995

As distributed computer systems become more pervasive, so does the need for understanding how their operating systems are designed and implemented. Andrew S. Tanenbaum's *Distributed Operating Systems* fulfills this need. Representing a revised and greatly expanded Part II of the best-selling *Modern Operating Systems*, it covers the material from the original book, including communication, synchronization, processes, and file systems, and adds new material on distributed shared memory, real-time distributed systems, fault-tolerant distributed systems, and ATM networks. It also contains four detailed case studies: Amoeba, Mach, Chorus, and OSF/DCE. Tanenbaum's trademark writing provides readers with a thorough, concise treatment of distributed systems.

Operating Systems - Andrew S. Tanenbaum 1997

This is a practical manual on operating systems, which describes a small UNIX-like operating system, demonstrating how it works and illustrating the principles underlying it. The relevant sections of the MINIX source code are described in detail, and the book has been revised to include updates in MINIX, which initially started as a v7 unix clone for a floppy-disk only 8088. It is now aimed at 386, 486 and pentium machines, and is based on the international posix standard instead of on v7. Versions of MINIX are now also available for the Macintosh and SPARC.

Advanced Concepts in Operating Systems - Mukesh Singhal 2011

Mastering Modern Linux - Paul S. Wang 2018-06-14

Praise for the First Edition: "This outstanding book ... gives the reader robust concepts and implementable knowledge of this environment.

Graphical user interface (GUI)-based users and developers do not get short shrift, despite the command-line interface's (CLI) full-power treatment. ... Every programmer should read the introduction's Unix/Linux philosophy section. ... This authoritative and exceptionally well-constructed book has my highest recommendation. It will repay careful and recursive study." --Computing Reviews, August 2011 Mastering Modern Linux, Second Edition retains much of the good material from the previous edition, with extensive updates and new topics added. The book provides a comprehensive and up-to-date guide to Linux concepts, usage, and programming. The text helps the reader master Linux with a well-selected set of topics, and encourages hands-on practice. The first part of the textbook covers interactive use of Linux via the Graphical User Interface (GUI) and the Command-Line Interface (CLI), including comprehensive treatment of the Gnome desktop and the Bash Shell. Using different apps, commands and filters, building pipelines, and matching patterns with regular expressions are major focuses. Next comes Bash scripting, file system structure, organization, and usage. The following chapters present networking, the Internet and the Web, data encryption, basic system admin, as well as Web hosting. The Linux Apache MySQL/MariaDB PHP (LAMP) Web hosting combination is also presented in depth. In the last part of the book, attention is turned to C-level programming. Topics covered include the C compiler, preprocessor, debugger, I/O, file manipulation, process control, inter-process communication, and networking. The book includes many examples and complete programs ready to download and run. A summary and exercises of varying degrees of difficulty can be found at the end of each chapter. A companion website (<http://mml.sofpower.com>) provides appendices, information updates, an example code package, and other resources for instructors, as well as students.

NANDA International Nursing Diagnoses - T. Heather Herdman 2021-02-11

The quintessential guide to nursing diagnoses from NANDA-I experts in new updated edition Fully updated and revised by editors T. Heather Herdman, Shigemi Kamitsuru, and Camila Takáo Lopes, *NANDA International Nursing Diagnoses: Definitions and Classification, 2021-2023, 12th Edition* is the definitive guide to nursing diagnoses, as reviewed and approved by the NANDA International (NANDA-I) Diagnosis Development Committee (DDC). In this new edition of a seminal text, the editors have revised all introductory chapters, providing critical information needed for nurses to understand assessment, its link to diagnosis and clinical reasoning, and the purpose and use of taxonomic structure for nurses at the bedside. Researchers will also find new recommendations to improve the terminology. Additional Key Updates 46 new nursing diagnoses and 67 revised diagnoses Changes to 17 nursing diagnosis labels, ensuring they are consistent with current literature and reflect a human response Refinement of the vast majority of the nursing diagnosis related/risk factors Standardization of diagnostic indicator terms (defining characteristics, related factors, risk factors) to further aid clarity for students and clinicians Coding of all terms for those using electronic versions of the terminology Web-based resources include reference lists for new and revised diagnoses New chapter on revised Level of Evidence Criteria for diagnosis submission Rigorously updated and revised, the new edition of this acclaimed text is a must-have resource for all nursing students, professional nurses, nurse educators, nurse informaticists, nurse researchers, and nurse administrators.

Gyn/Ecology - Mary Daly 2016-07-26

This revised edition includes a New Intergalactic Introduction by the Author. Mary Daly's New Intergalactic Introduction explores her process as a Crafty Pirate on the Journey of Writing *Gyn/Ecology* and reveals the

autobiographical context of this "Thunderbolt of Rage" that she first hurled against the patriarchy in 1979 and no hurls again in the Re-Surging Movement of Radical Feminism in the Be-Dazzling Nineties. *Clinical Practice Guidelines For Chronic Kidney Disease* - 2002

Operating System Concepts Essentials, 2nd Edition - Abraham Silberschatz 2013-11-06

By staying current, remaining relevant, and adapting to emerging course needs, *Operating System Concepts* by Abraham Silberschatz, Peter Baer Galvin and Greg Gagne has defined the operating systems course through nine editions. This second edition of the Essentials version is based on the recent ninth edition of the original text. *Operating System Concepts Essentials* comprises a subset of chapters of the ninth edition for professors who want a shorter text and do not cover all the topics in the ninth edition. The new second edition of Essentials will be available as an ebook at a very attractive price for students. The ebook will have live links for the bibliography, cross-references between sections and chapters where appropriate, and new chapter review questions. A two-color printed version is also available.

[Brave Girl](#) - Michelle Markel 2013-01-22

An engagingly illustrated account of immigrant Clara Lemlich's pivotal role in the influential 1909 women laborer's strike describes how she worked grueling hours to acquire an education and support her family before organizing a massive walkout to protest the unfair working conditions in New York's garment district. 25,000 first printing.

[Operating Systems Concepts with Java](#) - Abraham Silberschatz 2006-07

Advanced Operating Systems and Kernel Applications: Techniques and Technologies - Wiseman, Yair 2009-09-30

"This book discusses non-distributed operating systems that benefit researchers, academicians, and practitioners"--Provided by publisher.

[Operating Systems Concepts with Java Wileyplus/Blackboard Standalone Card](#) - Abraham Silberschatz 2006-07-01

Operating Systems - Galvin 1990

Operating System Concepts - Abraham Silberschatz 2005-12-01

A BETTER WAY TO LEARN ABOUT OPERATING SYSTEMS Master the concepts at work behind modern operating systems! Silberschatz, Galvin, and Gagne's *Operating Systems Concepts with Java*, Sixth Edition illustrates fundamental operating system concepts using the java programming language, and introduces you to today's most popular OS platforms. The result is the most modern and balanced introduction to operating systems available. Before you buy, make sure you are getting the best value and all the learning tools you'll need to succeed in your course. If your professor requires eGrade Plus, you can purchase it here at no additional cost! With this special eGrade Plus package you get the new text, no highlighting, no missing pages, no food stains, and a registration code to eGrade Plus, a suite of effective learning tools to help you get a better grade. All this, in one convenient package! eGrade Plus gives you: A complete online version of the textbook Approximately 25 homework questions per chapter which are linked to the relevant section of the online text Student source code Instant feedback on your homework and quizzes and more! eGrade Plus is a powerful online tool that provides students with an integrated suite of teaching and learning resources and an online version of the text in one easy-to-use website.

How Computers Really Work - Matthew Justice 2020-12-29

An approachable, hands-on guide to understanding how computers work, from low-level circuits to high-level code. *How Computers Really Work* is a hands-on guide to the computing ecosystem: everything from circuits to memory and clock signals, machine code, programming languages, operating systems, and the internet. But you won't just read about these concepts, you'll test your knowledge with exercises, and practice what you learn with 41 optional hands-on projects. Build digital circuits, craft a guessing game, convert decimal numbers to binary, examine virtual memory usage, run your own web server, and more. Explore concepts like how to: • Think like a software engineer as you use data to describe a real world concept • Use Ohm's and Kirchhoff's laws to analyze an electrical circuit • Think like a computer as you practice binary addition and execute a program in your mind, step-by-step The book's projects will have you translate your learning into action, as you: • Learn how to use a multimeter to measure resistance, current, and voltage • Build a half adder to see how logical operations in hardware can be combined to perform useful functions • Write a program in assembly language, then examine the resulting machine code • Learn to use a debugger,

disassemble code, and hack a program to change its behavior without changing the source code • Use a port scanner to see which internet ports your computer has open • Run your own server and get a solid crash course on how the web works And since a picture is worth a thousand bytes, chapters are filled with detailed diagrams and illustrations to help clarify technical complexities. Requirements: The projects require a variety of hardware - electronics projects need a breadboard, power supply, and various circuit components; software projects are performed on a Raspberry Pi. Appendix B contains a complete list. Even if you skip the projects, the book's major concepts are clearly presented in the main text.

Quantum Computation and Quantum Information - Michael A. Nielsen 2000-10-23

First-ever comprehensive introduction to the major new subject of quantum computing and quantum information.

Kernel Projects for Linux - Gary J. Nutt 2001

With *Kernel Projects for Linux*, Professor Gary Nutt provides a series of 12 lab exercises that illustrate how to implement core operating system concepts in the increasingly popular Linux environment. The makeup of the manual allows readers to learn concepts on a modern operating system—Linux—while at the same time viewing the source code. This hands-on manual complements any core OS book by demonstrating how theoretical concepts are realized in Linux. Part I presents an overview of the Linux design, offering some insight into such topics as runtime organization and process, file, and device management. Part II consists of a graduated set of exercises where readers move from inspecting various aspects of the operating systems' internals to developing their own functions and data structures for the Linux kernel. This book is designed for programmers who need to learn the fundamentals of operating systems on a modern OS. The progressively harder exercises allow them to learn concepts in a hands-on setting.

[Operating System Concepts](#) - Abraham Silberschatz 2005

This new seventh edition of the book has been brought up to date to include recent developments in operating systems such as Windows XP and the new small footprint operating systems that work in hand held devices such as the Palm and in cell phones. Most of the book is on general purpose operating systems such as Linux and those from Microsoft. But at the end of the book there are chapters on other types of operating such as Real Time Operating Systems and MultiMedia OS's. Finally there are some chapters which the authors call case studies. In these, one chapter goes into a detailed discussion of Linux, another chapter covers Windows XP. Chapter 23 covers several early operating systems that helped to define the features that make up modern os's. These include: Atlas, XDX-940, THE, RC 4000, CTSS, MULTICS, OS/360, and MACH, along with brief mentions of several others. Note that this not a book on how to use operating systems, this is a book on how operating systems are designed. It is intended for upper level undergraduate students or first year graduate students.

System Engineering Analysis, Design, and Development - Charles S. Wasson 2015-11-16

Praise for the first edition: "This excellent text will be useful to every system engineer (SE) regardless of the domain. It covers ALL relevant SE material and does so in a very clear, methodical fashion. The breadth and depth of the author's presentation of SE principles and practices is outstanding." -Philip Allen This textbook presents a comprehensive, step-by-step guide to System Engineering analysis, design, and development via an integrated set of concepts, principles, practices, and methodologies. The methods presented in this text apply to any type of human system -- small, medium, and large organizational systems and system development projects delivering engineered systems or services across multiple business sectors such as medical, transportation, financial, educational, governmental, aerospace and defense, utilities, political, and charity, among others. Provides a common focal point for "bridging the gap" between and unifying System Users, System Acquirers, multi-discipline System Engineering, and Project, Functional, and Executive Management education, knowledge, and decision-making for developing systems, products, or services Each chapter provides definitions of key terms, guiding principles, examples, author's notes, real-world examples, and exercises, which highlight and reinforce key SE&D concepts and practices Addresses concepts employed in Model-Based Systems Engineering (MBSE), Model-Driven Design (MDD), Unified Modeling Language (UMLTM) / Systems Modeling Language (SysMLTM), and Agile/Spiral/V-Model Development such as user needs, stories, and use cases analysis; specification development; system architecture development; User-Centric System Design (UCSD);

interface definition & control; system integration & test; and Verification & Validation (V&V) Highlights/introduces a new 21st Century Systems Engineering & Development (SE&D) paradigm that is easy to understand and implement. Provides practices that are critical staging points for technical decision making such as Technical Strategy Development; Life Cycle requirements; Phases, Modes, & States; SE Process; Requirements Derivation; System Architecture Development, User-Centric System Design (UCSD); Engineering Standards, Coordinate Systems, and Conventions; et al. Thoroughly illustrated, with end-of-chapter exercises and numerous case studies and examples, Systems Engineering Analysis, Design, and Development, Second Edition is a primary textbook for multi-discipline, engineering, system analysis, and project management undergraduate/graduate level students and a valuable reference for professionals.

Making Sense of Data II - Glenn J. Myatt 2009-03-04

A hands-on guide to making valuable decisions from data using advanced data mining methods and techniques This second installment in the Making Sense of Data series continues to explore a diverse range of commonly used approaches to making and communicating decisions from data. Delving into more technical topics, this book equips readers with advanced data mining methods that are needed to successfully translate raw data into smart decisions across various fields of research including business, engineering, finance, and the social sciences. Following a comprehensive introduction that details how to define a problem, perform an analysis, and deploy the results, Making Sense of Data II addresses the following key techniques for advanced data analysis: Data Visualization reviews principles and methods for understanding and communicating data through the use of visualization including single variables, the relationship between two or more variables, groupings in data, and dynamic approaches to interacting with data through graphical user interfaces. Clustering outlines common approaches to clustering data sets and provides detailed explanations of methods for determining the distance between observations and procedures for clustering observations. Agglomerative hierarchical clustering, partitioned-based clustering, and fuzzy clustering are also discussed. Predictive Analytics presents a discussion on how to build and assess models, along with a series of predictive analytics that can be used in a variety of situations including principal component analysis, multiple linear regression, discriminate analysis, logistic regression, and Naïve Bayes. Applications demonstrates the current uses of data mining across a wide range of industries and features case studies that illustrate the related applications in real-world scenarios. Each method is discussed within the context of a data mining process including defining the problem and deploying the results, and readers are provided with guidance on when and how each method should be used. The related Web site for the series (www.makingsenseofdata.com) provides a hands-on data analysis and data mining experience. Readers wishing to gain more practical experience will benefit from the tutorial section of the book in conjunction with the Traceis™ software, which is freely available online. With its comprehensive collection of advanced data mining methods coupled with tutorials for applications in a range of fields, Making Sense of Data II is an indispensable book for courses on data analysis and data mining at the upper-undergraduate and graduate levels. It also serves as a valuable reference for researchers and professionals who are interested in learning how to accomplish effective decision making from data and understanding if data analysis and data mining methods could help their organization.

Silberschatz's Operating System Concepts - Abraham Silberschatz 2020-05-01

Instruction on operating system functionality with examples incorporated for improved learning With the updating of Silberschatz's Operating System Concepts, 10th Edition, students have access to a text that presents both important concepts and real-world applications. Key concepts are reinforced in this global edition through instruction, chapter practice exercises, homework exercises, and suggested readings. Students also receive an understanding how to apply the content. The book provides example programs written in C and Java for use in programming environments.

Operating System Concepts, 10e Abridged Print Companion - Abraham Silberschatz 2018-01-11

The tenth edition of Operating System Concepts has been revised to keep it fresh and up-to-date with contemporary examples of how operating systems function, as well as enhanced interactive elements to improve learning and the student's experience with the material. It combines

instruction on concepts with real-world applications so that students can understand the practical usage of the content. End-of-chapter problems, exercises, review questions, and programming exercises help to further reinforce important concepts. New interactive self-assessment problems are provided throughout the text to help students monitor their level of understanding and progress. A Linux virtual machine (including C and Java source code and development tools) allows students to complete programming exercises that help them engage further with the material. The Print Companion includes all of the content found in a traditional text book, organized the way you would expect it, but without the problems.

Operating Systems - William Stallings 2009

For a one-semester undergraduate course in operating systems for computer science, computer engineering, and electrical engineering majors. Winner of the 2009 Textbook Excellence Award from the Text and Academic Authors Association (TAA)! Operating Systems: Internals and Design Principles is a comprehensive and unified introduction to operating systems. By using several innovative tools, Stallings makes it possible to understand critical core concepts that can be fundamentally challenging. The new edition includes the implementation of web based animations to aid visual learners. At key points in the book, students are directed to view an animation and then are provided with assignments to alter the animation input and analyze the results. The concepts are then enhanced and supported by end-of-chapter case studies of UNIX, Linux and Windows Vista. These provide students with a solid understanding of the key mechanisms of modern operating systems and the types of design tradeoffs and decisions involved in OS design. Because they are embedded into the text as end of chapter material, students are able to apply them right at the point of discussion. This approach is equally useful as a basic reference and as an up-to-date survey of the state of the art.

The context of natural forest management and FSC certification in Brazil - Claudia Romero 2015-12-30

Management decisions on appropriate practices and policies regarding tropical forests often need to be made in spite of innumerable uncertainties and complexities. Among the uncertainties are the lack of formalization of lessons learned regarding the impacts of previous programs and projects. Beyond the challenges of generating the proper information on these impacts, there are other difficulties that relate with how to socialize the information and knowledge gained so that change is transformational and enduring. The main complexities lie in understanding the interactions of social-ecological systems at different scales and how they varied through time in response to policy and other processes. This volume is part of a broad research effort to develop an independent evaluation of certification impacts with stakeholder input, which focuses on FSC certification of natural tropical forests. More specifically, the evaluation program aims at building the evidence base of the empirical biophysical, social, economic, and policy effects that FSC certification of natural forest has had in Brazil as well as in other tropical countries. The contents of this volume highlight the opportunities and constraints that those responsible for managing natural forests for timber production have experienced in their efforts to improve their practices in Brazil. As such, the goal of the studies in this volume is to serve as the foundation to design an impact evaluation framework of the impacts of FSC certification of natural forests in a participatory manner with interested parties, from institutions and organizations, to communities and individuals.

Operating System Principles - Abraham Silberschatz 2006

Includes coverage of OS design. This title provides a chapter on real time and embedded systems. It contains a chapter on multimedia. It presents coverage of security and protection and additional coverage of distributed programming. It contains exercises at the end of each chapter.

Operating System Concepts - Abraham Silberschatz 2014

The ninth edition of Operating System Concepts continues to evolve to provide a solid theoretical foundation for understanding operating systems. This edition has been updated with more extensive coverage of the most current topics and applications, improved conceptual coverage and additional content to bridge the gap between concepts and actual implementations. A new design allows for easier navigation and enhances reader motivation. Additional end-of-chapter, exercises, review questions, and programming exercises help to further reinforce important concepts. WileyPLUS, including a test bank, self-check exercises, and a student solutions manual, is also part of the comprehensive support package.

Operating System Concepts - Abraham Silberschatz 2011-07-05
Operating System Concepts continues to provide a solid theoretical foundation for understanding operating systems. The 8th Edition Update includes more coverage of the most current topics in the rapidly changing fields of operating systems and networking, including open-source operating systems. The use of simulators and operating system emulators is incorporated to allow operating system operation demonstrations and full programming projects. The text also includes improved conceptual coverage and additional content to bridge the gap between concepts and actual implementations. New end-of-chapter problems, exercises, review questions, and programming exercises help to further reinforce important concepts, while WileyPLUS continues to motivate students and offer comprehensive support for the material in an interactive format.

Understanding Operating Systems - Ida M. Flynn 2001
UNDERSTANDING OPERATING SYSTEMS provides a basic understanding of operating systems theory, a comparison of the major operating systems in use, and a description of the technical and operational tradeoffs inherent in each. The effective two-part organization covers the theory of operating systems, their historical roots, and their conceptual basis (which does not change substantially), culminating with how these theories are applied in the specifics of five operating systems (which evolve constantly). The authors explain this technical subject in a not-so-technical manner, providing enough detail to illustrate the complexities of stand-alone and networked operating systems. UNDERSTANDING OPERATING SYSTEMS is written in a clear, conversational style with concrete examples and illustrations that readers easily grasp.

Principles of Operating Systems - Naresh Chauhan 2014-07-03
Divided into eight parts, the book tries to provide a comprehensive coverage of topics, beginning with OS architectures and then moving on to process scheduling, inter-process communication and synchronization, deadlocks, and multi-threading. Under the part on memory management, basic memory management and virtual memory are discussed. These are followed by chapters on file management and I/O management. Security and protection of operating systems are also discussed in detail. Further, advanced OSs such as distributed, multi-processor, real-time, mobile, and multimedia OSs are presented. Android OS, being one of the most popular, is discussed under mobile operating systems. The last part of the book discusses shell programming, which will help students perform the lab experiments for this course. The first six parts contain case studies on UNIX, Solaris, Linux, and Windows.

Computer Security - William Stallings 2012
Computer Security: Principles and Practice, 2e, is ideal for courses in Computer/Network Security. In recent years, the need for education in computer security and related topics has grown dramatically - and is essential for anyone studying Computer Science or Computer Engineering. This is the only text available to provide integrated, comprehensive, up-to-date coverage of the broad range of topics in this subject. In addition to an extensive pedagogical program, the book provides unparalleled support for both research and modeling projects, giving students a broader perspective. The Text and Academic Authors Association named Computer Security: Principles and Practice, 1e, the winner of the Textbook Excellence Award for the best Computer Science textbook of 2008.

Computer Organization & Architecture 7e - Stallings 2008-02

The Design of the UNIX Operating System - Maurice J. Bach 1986
This book describes the internal algorithms and the structures that form the basis of the UNIX operating system and their relationship to the programmer interface. The system description is based on UNIX System V Release 2 supported by AT&T, with some features from Release 3.
Operating System Concepts 10e Wiley E-Text Student Package - Abraham Silberschatz 2017-08-14

Concepts Of Programming Languages - Sebesta 2016
Introduces students to the fundamental concepts of computer programming languages and provides them with the tools necessary to evaluate contemporary and future languages. An in-depth discussion of programming language structures, such as syntax and lexical and

syntactic analysis, also prepares students to study compiler design. The Eleventh Edition maintains an up-to-date discussion on the topic with the removal of outdated languages such as Ada and Fortran. The addition of relevant new topics and examples such as reflection and exception handling in Python and Ruby add to the currency of the text. Through a critical analysis of design issues of various program languages, Concepts of Programming Languages teaches students the essential differences between computing with specific languages. Robert W. Sebesta is Associate Professor Emeritus, Computer Science Office, UCCS, University of Colorado at Colorado Springs. -- Publisher's note.

Database System Concepts - Henry F. Korth 2019-02-19
Database System Concepts by Silberschatz, Korth and Sudarshan is now in its 6th edition and is one of the cornerstone texts of database education. It presents the fundamental concepts of database management in an intuitive manner geared toward allowing students to begin working with databases as quickly as possible. The text is designed for a first course in databases at the junior/senior undergraduate level or the first year graduate level. It also contains additional material that can be used as supplements or as introductory material for an advanced course. Because the authors present concepts as intuitive descriptions, a familiarity with basic data structures, computer organization, and a high-level programming language are the only prerequisites. Important theoretical results are covered, but formal proofs are omitted. In place of proofs, figures and examples are used to suggest why a result is true.

Linux Bible - Christopher Negus 2012-09-07
More than 50 percent new and revised content for today's Linux environment gets you up and running in no time! Linux continues to be an excellent, low-cost alternative to expensive operating systems. Whether you're new to Linux or need a reliable update and reference, this is an excellent resource. Veteran bestselling author Christopher Negus provides a complete tutorial packed with major updates, revisions, and hands-on exercises so that you can confidently start using Linux today. Offers a complete restructure, complete with exercises, to make the book a better learning tool Places a strong focus on the Linux command line tools and can be used with all distributions and versions of Linux Features in-depth coverage of the tools that a power user and a Linux administrator need to get started This practical learning tool is ideal for anyone eager to set up a new Linux desktop system at home or curious to learn how to manage Linux server systems at work.

Java: The Complete Reference, Tenth Edition - Herbert Schildt 2017-10-06
The Definitive Java Programming Guide Supplement for key JDK 10 new features available from book's Downloads & Resources page at OraclePressBooks.com. Fully updated for Java SE 9, Java: The Complete Reference, Tenth Edition explains how to develop, compile, debug, and run Java programs. Bestselling programming author Herb Schildt covers the entire Java language, including its syntax, keywords, and fundamental programming principles. You'll also find information on key portions of the Java API library, such as I/O, the Collections Framework, the stream library, and the concurrency utilities. Swing, JavaFX, JavaBeans, and servlets are examined and numerous examples demonstrate Java in action. Of course, the new module system added by Java SE 9 is discussed in detail. This Oracle Press resource also offers an introduction to JShell, Java's new interactive programming tool. Coverage includes: •Data types, variables, arrays, and operators •Control statements •Classes, objects, and methods •Method overloading and overriding •Inheritance •Interfaces and packages •Exception handling •Multithreaded programming •Enumerations, autoboxing, and annotations •The I/O classes •Generics •Lambda expressions •Modules •String handling •The Collections Framework •Networking •Event handling •AWT •Swing and JavaFX •The Concurrent API •The Stream API •Regular expressions •JavaBeans •Servlets •Much, much more Code examples in the book are available for download at www.OraclePressBooks.com. TAG: For a complete list of Oracle Press titles, visit www.OraclePressBooks.com.

Operating Systems - Remzi H. Arpaci-Dusseau 2018-09
"This book is organized around three concepts fundamental to OS construction: virtualization (of CPU and memory), concurrency (locks and condition variables), and persistence (disks, RAIDS, and file systems"--Back cover.