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KEY=OF - LYDIA JANIAH

Foundations of Computer Science From Data Manipulation to Theory of Computation Course Technology In this introductory text, students will overview the many disciplines within computer science, with an emphasis on concepts rather than on mathematical models and technical details. Understanding is increased with some 300 figures, and with examples that demonstrate concepts and mathematical models. **Foundations of Computer Science Cengage Learning Business Press** Based on the ACM model curriculum guidelines, this text covers the fundamentals of computer science required for first year students embarking on a computing degree. Data representation of text, audio, images, and numbers; computer hardware and software, including operating systems and programming languages; data organization topics such as SQL database models - they're all [included]. Progressing from the bits and bytes level to the higher levels of abstraction, this birds-eye view provides the foundation to help you succeed as you continue your studies in programming and other areas in the computer field.-Back cover. **Foundations of Computer Science Foundations of Computer Science Foundations of Computer Science From Data Manipulation to Theory of Computation Course Technology Ptr** This text successfully addresses the need to provide students with an overview of the many disciplines within computer science. Behrouz Forouzan has developed a five-part approach to introduce students to different aspects of the discipline without overwhelming them with technical detail. **Foundations of Computer Science** Based on the Association for Computing Imagery model curriculum guidelines, Foundations of Computer Science gives students a bird's eye view of Computer Science. This easy-to-read and easy-to-navigate text covers all the fundamentals of computer science required for first year undergraduates embarking on a computing degree. **Outlines and Highlights for Foundations of Computer Science by Behrouz a Forouzan Academic Internet Pub Incorporated** Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanys: 9781844807000 . **Studyguide for Foundations of Computer Science by Forouzan, Behrouz A. Cram101** Never HIGHLIGHT a Book Again Virtually all testable terms, concepts, persons, places, and events are included. Cram101 Textbook Outlines gives all of the outlines, highlights, notes for your textbook with optional online practice tests. Only Cram101 Outlines are Textbook Specific. Cram101 is NOT the Textbook. Accompanys: 9780521673761 **Computer Science A Structured Programming Approach Data Communications and Networking Huga Media Computer Networking A Top-Down Approach Addison-Wesley Longman** Computer Networkingprovides a top-down approach to this study by beginning with applications-level protocols and then working down the protocol stack. Focuses on a specific motivating example of a network-the Internet-as well as introducing students to protocols in a more theoretical context. New short "interlude" on "putting it all together" that follows the coverage of application, transport, network, and datalink layers ties together the various components of the Internet architecture and identifying aspects of the architecture that have made the Internet so successful. A new chapter covers wireless and mobile networking, including in-depth coverage of Wi-Fi, Mobile IP and GSM. Also included is expanded coverage on BGP, wireless security and DNS. This book is designed for readers who need to learn the fundamentals of computer networking. It also has extensive material, on the very latest technology, making it of great interest to networking professionals. **Computer Networks McGraw-Hill Higher Education Software Engineering Foundations A Software Science Perspective CRC Press** A groundbreaking book in this field, Software Engineering Foundations: A Software Science Perspective integrates the latest research, methodologies, and their applications into a unified theoretical framework. Based on the author's 30 years of experience, it examines a wide range of underlying theories from philosophy, cognitive informatics, denota **Encyclopedia of Computer Science and Technology Infobase Publishing** Presents an illustrated A-Z encyclopedia containing approximately 600 entries on computer and technology related topics. **Loose Leaf for C++ Programming: An Object-Oriented Approach McGraw-Hill Education** C++ Programming: An Object-Oriented Approach has two primary objectives: Teach the basic principles of programming as outlined in the ACM curriculum for a CS1 class and teach the basic constructs of the C++ language. While C++ is a complex and professional language, experience shows that beginning students can easily understand and use C++. C++ Programming: An Object-Oriented Approach uses a combination of thorough, well-ordered explanations and a strong visual framework to make programming concepts accessible to students. The authors stress incremental program development, wherein program analysis is followed by building a structure chart, constructing UML flow diagrams, writing algorithms, undertaking program design, and finally testing. This foundation, combined with a focus on the benefits of a consistent and well-documented programming style, prepares students to tackle the academic and professional programming challenges they will encounter down the road with confidence. **Introduction to Cryptography with Mathematical Foundations and Computer Implementations CRC Press** From the exciting history of its development in ancient times to the present day, Introduction to Cryptography with Mathematical Foundations and Computer Implementations provides a focused tour of the central concepts of cryptography. Rather than present an encyclopedic treatment of topics in cryptography, it delineates cryptographic concepts in chronological order, developing the mathematics as needed. Written in an engaging yet rigorous style, each chapter introduces important concepts with clear definitions and theorems. Numerous examples explain key points while figures and tables help illustrate more difficult or subtle concepts. Each chapter is punctuated with "Exercises for the Reader;" complete solutions for these are included in an appendix. Carefully crafted exercise sets are also provided at the end of each chapter, and detailed solutions to most odd-numbered exercises can be found in a designated appendix. The computer implementation section at the end of every chapter guides students through the process of writing their own programs. A supporting website provides an extensive set of sample programs as well as downloadable platform-independent applet pages for some core programs and algorithms. As the reliance on cryptography by business, government, and industry continues and new technologies for transferring data become available, cryptography plays a permanent, important role in day-to-day operations. This self-contained sophomore-level text traces the evolution of the field, from its origins through present-day cryptosystems, including public key cryptography and elliptic curve cryptography. **TCP/IP Protocol Suite McGraw-Hill Science, Engineering & Mathematics** Networking technologies have become an integral part of everyday life, which has led to a dramatic increase in the number of professions where it is important to understand network technologies. TCP/IP Protocol Suite teaches students and professionals, with no prior knowledge of TCP/IP, everything they need to know about the subject. This comprehensive book uses hundreds of figures to make technical concepts easy to grasp, as well as many examples, which help tie the material to the real-world. The second edition of TCP/IP Protocol Suite has been fully updated to include all of the recent technology changes in the field. Many new chapters have been added such as one on Mobile IP, Multimedia and Internet, Network Security, and IP over ATM. Additionally, out-of-date material has been overhauled to reflect recent changes in technology. **UNIX and Shell Programming A Textbook Cengage Learning** Designed as one of the first true textbooks on how to use the UNIX operating system and suitable for a wide variety of UNIX-based courses, UNIX and Shell Programming goes beyond providing a reference of commands to offer a guide to basic commands and shell programming. Forouzan/Gilberg begin by introducing students to basic commands and tools of the powerful UNIX operating system. The authors then present simple scriptwriting concepts, and cover all material required for understanding shells (e.g., Regular Expressions, grep, sed, and awk) before introducing material on the Korn, C, and Bourne shells. Throughout, in-text learning aids encourage active learning and rich visuals support concept presentation. For example, sessions use color so students can easily distinguish user input from computer output. In addition, illustrative figures help student visualize what the command is doing. Each chapter concludes with problems, including lab sessions where students work on the computer and complete sessions step-by-step. This approach has proven to be successful when teaching this material in the classroom. **Data Structures: A Pseudocode Approach with C Cengage Learning** This second edition expands upon the solid, practical foundation established in the first edition of the text. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. **Excel Formulas and Functions For Dummies John Wiley & Sons** Put the power of Excel formulas and functions to work for you! Excel is a complex program. Mastering the use of formulas and functions lets you use Excel to compute useful day-to-day information, such as calculating the true cost of credit card purchases or comparing 15-year and 30-year mortgage costs. This fun and friendly book demystifies Excel's built-in functions so you can put them to work. You'll find step-by-step instructions on 150 of Excel's most useful functions, how they work within formulas, and how to use them to make your life easier. See how to use 150 of Excel's most useful functions, with real-world examples showing how each function is used within a formula Learn to calculate the costs of leasing versus buying a car, compute classroom grades, create an amortization table, or evaluate investment performance Fully updated for Excel 2010, but the principles will work with earlier versions of Excel as well Includes essential coverage of an additional 85 functions In the ever-popular, non-threatening For Dummies style, Excel Formulas and Functions For Dummies, 2nd Edition makes Excel's power accessible to you. **Introduction to Computing Systems From Bits and Gates to C/c++ & Beyond Cambridge IGCSE and O Level Computer Science Second Edition Hodder Education** This title is endorsed by Cambridge Assessment International Education to support the full syllabus for examination from 2023. Benefit from the knowledge of our renowned expert authors to navigate through the content of the updated Cambridge IGCSETM and O Level Computer Science syllabuses (0478/0984/2210). - Develop computational thinking and problem-solving skills: clearly-explained concepts are followed by opportunities to implement in the programming language of choice. - Build an understanding of computer systems and associated technologies: carefully prepared worked examples explain new ideas alongside activities to test and consolidate. - Navigate the syllabus confidently: supplementary subject content is flagged clearly, with introductions to each topic outlining the learning objectives. - Satisfy curiosity: students are encouraged to deepen their knowledge and understanding of the subject with Extension Activities and Find Out More. - Consolidate skills and check understanding: self-assessment questions, activities and exam-style questions are embedded throughout the book, alongside key definitions of technical terms and a glossary. Answers to the Student Book are available in Cambridge IGCSE and O Level Computer Science Teacher's Guide with Boost Subscription 9781398318502 **C Programming Learn to Code CRC Press** The C programming language is a popular language in industries as well as academics. Since its invention and standardized as ANSI C, several other standards known as C99, C11, and C17 were published with new features in subsequent years. This book covers all the traits of ANSI C and includes new features present in other standards. The content of this book helps a beginner to learn the fundamental concept of the C language. The book contains a step-by-step explanation of every program that allows a learner to understand the syntax and builds a foundation to write similar programs. The explanation clarity, exercises, and illustrations present in this book make it a complete textbook in all aspects. Features: Other than ANSI C, the book explains the new C standards like C99, C11, and C17. Most basic and easy-to-follow programs are chosen to

explain the concepts and their syntax. More emphasis is given to the topics like Functions, Pointers, and Structures. Recursion is emphasized with numerous programming examples and diagrams. A separate chapter on the command-line argument and preprocessors is included that concisely explains their usage. Several real-life figures are taken to explain the concepts of dynamic memory allocation, file handling, and the difference between structure and union. The book contains more than 260 illustrations, more than 200 programs, and exercises at the end of each chapter. This book serves as a textbook for UG/PG courses in science and engineering. The researcher, postgraduate engineers, and embedded software developers can also keep this book as reference material for their fundamental learning. **C++ All-in-One For Dummies John Wiley & Sons** Get ready for C++20 with all you need to know for complete mastery! Your comprehensive and updated guide to one of the world's most popular programming languages is here! Whether you're a novice or expert, you'll find what you need to get going with the latest features of C++20. The workhorse of programming languages, C++ gives you the utmost control of data usage and interface and resource allocation. If your job involves data, proficiency in C++ means you're indispensable! This edition gives you 8 books in 1 for total C++ mastery. Inside, internationally renowned expert John Paul Mueller takes you from the fundamentals of working with objects and classes to writing applications that use paradigms not normally associated with C++, such as those used for functional programming strategies. The book also includes online resources such as source code. You discover how to use a C++ GNU compiler to build applications and even how to use your mobile device for coding. Conquer advanced programming and troubleshooting Streamline your code with lambda expressions Use C++ where you need it: for gaming, enterprise applications, and Web services Uncover object secrets including the use of design patterns Discover how to use functional programming techniques to make code concise and easy to read If you want to be your organization's C++ guru, C++ All-In-One for Dummies is where it's at! **Computer Science Illuminated Jones & Bartlett Publishers** This guide offers students an overview of computer science principles, and provides a solid foundation for those continuing their study in this dynamic and exciting discipline. New features of this edition include: a chapter on computer security providing readers with the latest information on preventing unauthorized access; types of malware and anti-virus software; protecting online information, including data collection issues with Facebook, Google, etc.; security issues with mobile and portable devices; a new section on cloud computing offering readers an overview of the latest way in which businesses and users interact with computers and mobile devices; a rewritten section on social networks including new data on Google+ and Facebook; updates to include HTML5; revised and updated Did You Know callouts are included in the chapter margins; revisions of recommendations by the ACM dealing with computer ethic issues. -- **ISE Data Communications and Networking with TCP/IP Protocol Suite Writing for Computer Science Taylor & Francis** A complete update to a classic, respected resource Invaluable reference, supplying a comprehensive overview on how to undertake and present research **Introduction to Computational Modeling Using C and Open-Source Tools CRC Press** Introduction to Computational Modeling Using C and Open-Source Tools presents the fundamental principles of computational models from a computer science perspective. It explains how to implement these models using the C programming language. The software tools used in the book include the Gnu Scientific Library (GSL), which is a free software libra **Introduction to Computational Models with Python CRC Press** Introduction to Computational Models with Python explains how to implement computational models using the flexible and easy-to-use Python programming language. The book uses the Python programming language interpreter and several packages from the huge Python Library that improve the performance of numerical computing, such as the Numpy and Scipy m **Introduction to Elementary Computational Modeling Essential Concepts, Principles, and Problem Solving CRC Press** With an emphasis on problem solving, this book introduces the basic principles and fundamental concepts of computational modeling. It emphasizes reasoning and conceptualizing problems, the elementary mathematical modeling, and the implementation using computing concepts and principles. Examples are included that demonstrate the computation and visualization of the implemented models. The author provides case studies, along with an overview of computational models and their development. The first part of the text presents the basic concepts of models and techniques for designing and implementing problem solutions. It applies standard pseudo-code constructs and flowcharts for designing models. The second part covers model implementation with basic programming constructs using MATLAB®, Octave, and FreeMat. Aimed at beginning students in computer science, mathematics, statistics, and engineering, Introduction to Elementary Computational Modeling: Essential Concepts, Principles, and Problem Solving focuses on fundamentals, helping the next generation of scientists and engineers hone their problem solving skills. **Computing Essentials Macmillan/McGraw-Hill School** A guide to the essentials of computing, offering a visual orientation of the fundamental concepts. It features: Making IT Work Boxes that demonstrate how technology is used in our everyday lives; Look to the Future boxes, examining trends in technology; and boxes of tips in the margins. **Oracle 12c: SQL Cengage Learning** Introduce the latest version of the fundamental SQL language used in all relational databases today with Casteel's ORACLE 12C: SQL, 3E. Much more than a study guide, this edition helps those who have only a basic knowledge of databases master the latest SQL and Oracle concepts and techniques. Learners gain a strong understanding of how to use Oracle 12c SQL most effectively as they prepare for the first exam in the Oracle Database Administrator or Oracle Developer Certification Exam paths. This edition initially focuses on creating database objects, including tables, constraints, indexes, sequences, and more. The author then explores data query techniques, such as row filtering, joins, single-row functions, aggregate functions, subqueries, and views, as well as advanced query topics. ORACLE 12C: SQL, 3E introduces the latest features and enhancements in 12c, from enhanced data types and invisible columns to new CROSS and OUTER APPLY methods for joins. To help readers transition to further studies, appendixes introduce SQL tuning, compare Oracle's SQL syntax with other databases, and overview Oracle connection interface tools: SQL Developer and SQL Plus. Readers can trust ORACLE 12C: SQL, 3E to provide the knowledge for Oracle certification testing and the solid foundation for pursuing a career as a successful database administrator or developer. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. **Ethics in Information Technology Course Technology Ptr** Ethics in Information Technology, Second Edition is a timely offering with updated and brand new coverage of topical issues that we encounter in the news every day such as file sharing, infringement of intellectual property, security risks, Internet crime, identity theft, employee surveillance, privacy, and compliance. **C# Programming From Problem Analysis to Program Design** Only Doyle's C# PROGRAMMING: FROM PROBLEM ANALYSIS TO PROGRAM DESIGN, 4E, International Edition brilliantly balances today's most important programming principles and concepts with the latest insights into C#. This perfect introductory book highlights the latest Visual Studio® 2012 and C# 4.0 with a unique, principles-based approach to give readers a deep understanding of programming.You'll find just the right amount of detail to create an important foundation in programming. This edition's straightforward approach and understandable vocabulary make it easier for readers to grasp new programming concepts without distraction. The book introduces a variety of fundamental programming concepts, from data types and expressions to arrays and collections, all using the popular C# language. New programming exercises and new numbered examples throughout this edition reflect the latest updates in Visual Studio® 2012, while learning objectives, case studies and Coding Standards summaries in each chapter ensure mastery. While the book assumes no prior programming knowledge, coverage extends beyond traditional books to cover new advanced topics, such as portable class libraries used to create applications for Windows® Phone and other platforms. **Decision Intelligence For Dummies John Wiley & Sons** Learn to use, and not be used by, data to make more insightful decisions The availability of data and various forms of AI unlock countless possibilities for business decision makers. But what do you do when you feel pressured to cede your position in the decision-making process altogether? Decision Intelligence For Dummies pumps the brakes on the growing trend to take human beings out of the decision loop and walks you through the best way to make data-informed but human-driven decisions. The book shows you how to achieve maximum flexibility by using every available resource, and not just raw data, to make the most insightful decisions possible. In this timely book, you'll learn to: Make data a means to an end, rather than an end in itself, by expanding your decision-making inquiries Find a new path to solid decisions that includes, but isn't dominated, by quantitative data Measure the results of your new framework to prove its effectiveness and efficiency and expand it to a whole team or company Perfect for business leaders in technology and finance, Decision Intelligence For Dummies is ideal for anyone who recognizes that data is not the only powerful tool in your decision-making toolbox. This book shows you how to be guided, and not ruled, by the data. **Microsoft Power BI For Dummies John Wiley & Sons** Reveal the insights behind your company's data with Microsoft Power BI Microsoft Power BI allows intuitive access to data that can power intelligent business decisions and insightful strategies. The question is, do you have the Power BI skills to make your organization's numbers spill their secrets? In Microsoft Power BI For Dummies, expert lecturer, consultant, and author Jack Hyman delivers a start-to-finish guide to applying the Power BI platform to your own firm's data. You'll discover how to start exploring your data sources, build data models, visualize your results, and create compelling reports that motivate decisive action. Tackle the basics of Microsoft Power BI and, when you're done with that, move on to advanced functions like accessing data with DAX and app integrations Guide your organization's direction and decisions with rock-solid conclusions based on real-world data Impress your bosses and confidently lead your direct reports with exciting insights drawn from Power BI's useful visualization tools It's one thing for your company to have data at its disposal. It's another thing entirely to know what to do with it. Microsoft Power BI For Dummies is the straightforward blueprint you need to apply one of the most powerful business intelligence tools on the market to your firm's existing data. **Cambridge International AS and A Level Computer Science Coursebook Introduction to Data Communications and Networking McGraw-Hill Science, Engineering & Mathematics** This is a thorough introduction to the concepts underlying networking technology, from physical carrier media to protocol suites (for example, TCP/IP). The author includes historical material to show the logic behind the development of a given mechanism, and also includes comprehensive discussions of increasingly important material, such as B-ISDN (Broadband Integrated Services Digital Network) and ATM (Asynchronous Transmission Mode). **Cloud Computing Concepts, Technology & Architecture Pearson Education** Explores cloud computing, breaking down the concepts, models, mechanisms, and architectures of this technology while allowing for the financial assessment of resources and how they compare to traditional storage systems. **PowerPoint For Dummies, Office 2021 Edition John Wiley & Sons** Make PowerPoint the most "power"ful weapon in your Office arsenal and captivate your audience Presentations are your opportunity to stand out from the crowd, impress your colleagues, and be the smartest person in the room. And upping your PowerPoint game is the key to making your next talk one to remember. But where do you start? Luckily, the trusted For Dummies series is here to help you put the umph back in your PowerPoint decks, one compelling slide at a time. Don't worry if you're completely new to PowerPoint, or even Microsoft Office in general. PowerPoint For Dummies, Office 2021 Edition quickly gets you up to speed on the basics of this world-famous presentation software, starting with understanding and using the interface. You'll learn to create a new presentation from scratch, leverage free templates to accelerate the making of your next slide deck, and even import data from other applications. Already know the fundamentals? Then skip straight to the sizzle with step-by-step instructions on integrating charts and graphics into your next presentation. Knock your audience's socks off with attention-grabbing videos, special effects that make it impossible to look away, and seamless slide transitions. Organized for easy and fast reference, this practical guide walks you through the strategies and techniques you'll need to: Keep your presentation audiences engaged from the first slide to the very last Collaborate with team members and colleagues, and share your presentation with others Take advantage of all the latest features in the newest version of PowerPoint that will help you drive your deck past the finish line Your next presentation is your chance to deliver your best ideas with power, dynamism, and enthusiasm. Get the tools you need to engage your audience in PowerPoint For Dummies, Office 2021 Edition. You'll soon discover that creating a slide deck, whether it's your first or your fiftieth, can be fun, easy, and exciting.