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And Networking Forouzan 4th
Edition Ppt

Data Communication And Networking Forouzan 4th Edition Ppt

Effective techniques and experienced insights to maximize your C# 6 and 7 programming skills Key Features Written by C# legend and top StackOverflow contributor Jon Skeet Unlock the new features of C# 6 and 7 Insights on the future of the C# language Master asynchronous functions, interpolated strings, tuples, and more Purchase of the print book includes a free eBook in PDF, Kindle, and

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ePub formats from Manning Publications. "An excellent overview of C# with helpful and realistic examples that make learning the newest features of C# easy."

—Meredith Godar About The Book C# is the foundation of .NET development. New features added in C# 6 and 7 make it easier to take on big data applications, cloud-centric web development, and cross-platform software using .NET Core. Packed with deep insight from C# guru Jon Skeet, this book takes you deep into concepts and features other C# books ignore. C# in Depth, Fourth Edition is an authoritative and engaging guide that reveals

the full potential of the language, including the new features of C# 6 and 7. It combines deep dives into the C# language with practical techniques for enterprise development, web applications, and systems programming. As you absorb the wisdom and techniques in this book, you'll write better code, and become an exceptional troubleshooter and problem solver. What You Will Learn Comprehensive guidance on the new features of C# 6 and 7 Important legacies and greatest hits of C# 2-5 Expression-bodied members Extended pass-by-reference functionality Writing asynchronous C#

**code String interpolation
Composition with tuples
Decomposition and pattern
matching This Book Is Written
For For intermediate C#
developers. About The Author
Jon Skeet is a senior software
engineer at Google. He
studied mathematics and
computer science at
Cambridge, is a recognized
authority in Java and C#, and
maintains the position of top
contributor to Stack Overflow.
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comes with it 4. C# 4:
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Writing asynchronous code 6.
Async implementation 7. C# 5
bonus features 8. Super-sleek**

**properties and expression-
bodied members 9. Stringy
features 10. A smörgåsbord of
features for concise code 11.
Composition using tuples 12.
Deconstruction and pattern
matching 13. Improving
efficiency with more pass by
reference 14. Concise code in
C# 7 15. C# 8 and beyond
PART 1 C# IN CONTEXT PART
2 C# 2-5 PART 3 C# 6 PART 4
C# 7 AND BEYOND**

**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. Revised edition of: Data

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**communications and
networking.**

**Communication Networks
From Fundamentals to
Networking**

**Data Comm N Netwkg 2/E
Update**

**Introduction to Cryptography
and Network Security**

Business Data

Communications

**Organizations are increasingly
transitioning to IPv6, the next
generation protocol for defining
how devices of all kinds**

**communicate over networks. Now
fully updated, IPv6 Fundamentals
offers a thorough, friendly, and
easy-to-understand introduction
to the knowledge and skills you**

need to deploy and operate IPv6 networks. Leading networking instructor Rick Graziani explains all the basics simply and clearly, step-by-step, providing all the details you'll need to succeed. You'll learn why IPv6 is necessary, how it was created, how it works, and how it has become the protocol of choice in environments ranging from cloud to mobile and IoT. Graziani thoroughly introduces IPv6 addressing, configuration options, and routing protocols, including EIGRP for IPv6, and OSPFv3 (traditional configuration and with address families). Building on this coverage, he then includes

more in-depth information involving these protocols and processes. This edition contains a completely revamped discussion of deploying IPv6 in your network, including IPv6/IPv4 integration, dynamic address allocation, and understanding IPv6 from the perspective of the network and host. You'll also find improved coverage of key topics such as Stateless Address Autoconfiguration (SLAAC), DHCPv6, and the advantages of the solicited node multicast address. Throughout, Graziani presents command syntax for Cisco IOS, Windows, Linux, and Mac OS, as well as many

examples, diagrams, configuration tips, and updated links to white papers and official RFCs for even deeper understanding. Learn how IPv6 supports modern networks encompassing the cloud, mobile, IoT, and gaming devices Compare IPv6 with IPv4 to see what has changed and what hasn't Understand and represent IPv6 addresses for unicast, multicast, and anycast environments Master all facets of dynamic IPv6 address allocation with SLAAC, stateless DHCPv6, and stateful DHCPv6 Understand all the features of deploying IPv6 addresses in the network including temporary addresses and the privacy

extension Improve operations by leveraging major enhancements built into ICMPv6 and ICMPv6 Neighbor Discovery Protocol Configure IPv6 addressing and Access Control Lists using a common topology Implement routing of IPv6 packets via static routing, EIGRP for IPv6, and OSPFv3 Walk step-by-step through deploying IPv6 in existing networks, and coexisting with or transitioning from IPv4

What every electrical engineering student and technical professional needs to know about data exchange across networks While most electrical engineering students learn how the individual

components that make up data communication technologies work, they rarely learn how the parts work together in complete data communication networks. In part, this is due to the fact that until now there have been no texts on data communication networking written for undergraduate electrical engineering students. Based on the author's years of classroom experience, Fundamentals of Data Communication Networks fills that gap in the pedagogical literature, providing readers with a much-needed overview of all relevant aspects of data communication networking,

addressed from the perspective of the various technologies involved. The demand for information exchange in networks continues to grow at a staggering rate, and that demand will continue to mount exponentially as the number of interconnected IoT-enabled devices grows to an expected twenty-six billion by the year 2020. Never has it been more urgent for engineering students to understand the fundamental science and technology behind data communication, and this book, the first of its kind, gives them that understanding. To achieve this goal, the book:

Combines signal theory, data

**protocols, and wireless
networking concepts into one text
Explores the full range of issues
that affect common processes such
as media downloads and online
games Addresses services for the
network layer, the transport layer,
and the application layer
Investigates multiple access
schemes and local area networks
with coverage of services for the
physical layer and the data link
layer Describes mobile
communication networks and
critical issues in network security
Includes problem sets in each
chapter to test and fine-tune
readers' understanding
Fundamentals of Data**

Communication Networks is a must-read for advanced undergraduates and graduate students in electrical and computer engineering. It is also a valuable working resource for researchers, electrical engineers, and technical professionals.

Local Area Networks (LANs) have become an integral part of communication in today's world. The establishments that use LAN applications include businesses, educational facilities, hospitals, stock exchanges and warehouses. This book offers reader-friendly, comprehensive coverage of LAN technologies, teaching the reader how to use them in real-world

applications. The text is ideal for students both in the classroom and later as a reference. Forouzan motivates topics by practical applications, and his liberal use of figures makes difficult technical topics easier to grasp by providing an intuitive, visual representation of concepts. Extensive practice sets are also provided at the end of each chapter, which reinforce what the student has learned The book is also up-to-date, presenting indepth material on such current topics as Gigabit Ethernet, ATM LAN, Wireless LAN, VPN and VLAN.

**For Fixed and Wireless Networks
Computer and Communication**

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Networks

Local Area Networks

A Systems Approach

C# in Depth

*Primarily intended as a text for
undergraduate courses in
Electronics and*

*Communications Engineering,
Computer Science, IT courses,
and Computer Applications,
this up-to-date and accessible
text gives an indepth analysis
of data communications and
computer networks in an easy-
to-read style. Though a new
title, it is a completely revised
and fully updated version of
the author's earlier book Data
Communications. The rapid
strides made during the last*

decade in the fields of data communication and networking, and the close link between these two subjects have prompted the author to add several chapters on computer networks in this text. The book gives a masterly analysis of topics ranging from the principles of data transmission to computer networking applications. It also provides standard protocols, thereby enabling to bridge the gap between theory and practice. What's more, it correlates the network protocols to the concepts, which are explained with the help of numerous examples to

facilitate students' understanding of the subject. This well-organized text presents the latest developments in the field and details current topics of interest such as Multicasting, MPLS, IPv6, Gigabit Ethernets, IPSec, SSL, Auto-negotiation, Wireless LANs, Network security, Differentiated services, and ADSL. Besides students, the practicing professionals would find the book to be a valuable resource. The book, in its second edition introduces a full chapter on Quality of Service, highlighting the meaning, parameters and functions required for quality

of service. This book is recommended in Kaziranga University, Nagaland, IIT Guwahati, Assam and West Bengal University of Technology (WBUT), West Bengal for B.Tech. Key Features

- The book is self-contained and student friendly.**
- The sequential organization lends flexibility in designing courses on the subject.**
- Large number of examples, diagrams and tables illustrate the concepts discussed in the text.**
- Numerous exercises (with answers), a list of acronyms, and references to protocol standards.**

Computer Networks: A Systems

Approach, Fifth Edition, explores the key principles of computer networking, with examples drawn from the real world of network and protocol design. Using the Internet as the primary example, this best-selling and classic textbook explains various protocols and networking technologies. The systems-oriented approach encourages students to think about how individual network components fit into a larger, complex system of interactions. This book has a completely updated content with expanded coverage of the topics of utmost importance to networking professionals and

students, including P2P, wireless, network security, and network applications such as e-mail and the Web, IP telephony and video streaming, and peer-to-peer file sharing. There is now increased focus on application layer issues where innovative and exciting research and design is currently the center of attention. Other topics include network design and architecture; the ways users can connect to a network; the concepts of switching, routing, and internetworking; end-to-end protocols; congestion control and resource allocation; and end-to-end

data. Each chapter includes a problem statement, which introduces issues to be examined; shaded sidebars that elaborate on a topic or introduce a related advanced topic; What's Next? discussions that deal with emerging issues in research, the commercial world, or society; and exercises. This book is written for graduate or upper-division undergraduate classes in computer networking. It will also be useful for industry professionals retraining for network-related assignments, as well as for network practitioners seeking to

understand the workings of network protocols and the big picture of networking.

Completely updated content with expanded coverage of the topics of utmost importance to networking professionals and students, including P2P, wireless, security, and applications Increased focus on application layer issues where innovative and exciting research and design is currently the center of attention Free downloadable network simulation software and lab experiments manual available

Data Communications and Networking Tata McGraw-Hill

Education

***Introduction to Networking
Technologies***

***A Straightforward Approach to
Understanding IPv6***

The Lord of the Rings

***Data Communications and
Computer Networks: A***

Business User's Approach

***Data Communications and
Networking***

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

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mechanism, and also includes comprehensive discussions of increasingly important material, such as B-ISDN (Broadband Integrated Services Digital Network) and ATM (Asynchronous Transmission Mode).

"A textbook for beginners in security. In this new first edition, well-known author Behrouz Forouzan uses his accessible writing style and visual approach to simplify the difficult concepts of cryptography and network security. This edition also provides a website that includes Powerpoint files as well as instructor and students solutions manuals. Forouzan presents difficult

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security topics from the ground up. A gentle introduction to the fundamentals of number theory is provided in the opening chapters, paving the way for the student to move on to more complex security and cryptography topics. Difficult math concepts are organized in appendices at the end of each chapter so that students can first learn the principles, then apply the technical background. Hundreds of examples, as well as fully coded programs, round out a practical, hands-on approach which encourages students to test the material they are learning."--Publisher's

Read Free Data Communication And Networking Forouzan 4th Edition Ppt website.

Balancing the most technical concepts with practical everyday issues, DATABASE COMMUNICATIONS AND COMPUTER NETWORKS, 8e provides thorough coverage of the basic features, operations, and limitations of different types of computer networks--making it the ideal resource for future business managers, computer programmers, system designers, as well as home computer users. Offering a comprehensive introduction to computer networks and data communications, the book includes coverage of the language of computer networks as well as the

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effects of data communications on business and society. It provides full coverage of wireless technologies, industry convergence, compression techniques, network security, LAN technologies, VoIP, and error detection and correction. The Eighth Edition also offers up-to-the-minute coverage of near field communications, updated USB interface, lightning interface, and IEEE 802.11 ac and ad wireless standards, firewall updates, router security problems, the Internet of Things, cloud computing, zero-client workstations, and Internet domain names.

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Fundamentals of Computer Networks

The TCP/IP Guide

Database System Concepts

UNIX and Shell Programming

This expanded and completely updated edition, of the popular text reflects the major changes to communications technology since 1990. New coverage includes discussions of ATM and Frame Relay, Ethernet and Token-Ring Networks, and expanded treatment of satellite communications. There is also new material on the ATM LAN versus

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WAN evolution as well as new sections on LAN networking and Internetworking. Emphasis is given throughout to reflect the emergence of the Internet with timely information on TCP/IP, NetWare, and LAN applications.

Computer and Communication Networks, Second Edition, explains the modern technologies of networking and communications, preparing you to analyze and simulate complex networks, and to design cost-effective networks for emerging requirements. Offering uniquely balanced coverage of basic and advanced topics, it teaches through case studies, realistic examples and exercises, and intuitive illustrations. Nader F. Mir establishes a solid foundation in basic networking

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concepts; TCP/IP schemes; wireless and LTE networks; Internet applications, such as Web and e-mail; and network security. Then, he delves into both network analysis and advanced networking protocols, VoIP, cloud-based multimedia networking, SDN, and virtualized networks. In this new edition, Mir provides updated, practical, scenario-based information that many networking books lack, offering a uniquely effective blend of theory and implementation. Drawing on extensive field experience, he presents many contemporary applications and covers key topics that other texts overlook, including P2P and voice/video networking, SDN, information-centric networking, and modern router/switch design. Students,

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researchers, and networking professionals will find up-to-date, thorough coverage of Packet switching Internet protocols (including IPv6) Networking devices Links and link interfaces LANs, WANs, and Internetworking Multicast routing, and protocols Wide area wireless networks and LTE Transport and end-to-end protocols Network applications and management Network security Network queues and delay analysis Advanced router/switch architecture QoS and scheduling Tunneling, VPNs, and MPLS All-optical networks, WDM, and GMPLS Cloud computing and network virtualization Software defined networking (SDN) VoIP signaling Media exchange and voice/video compression Distributed/cloud-based

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multimedia networks Mobile ad hoc networks Wireless sensor networks Key features include More than three hundred fifty figures that simplify complex topics Numerous algorithms that summarize key networking protocols and equations Up-to-date case studies illuminating concepts and theory Approximately four hundred exercises and examples honed over Mir's twenty years of teaching networking

Designed for use in a data communications course for business majors. This book blends a technical presentation of networking concepts with many business applications. Each chapters is mapped out with chapter objectives and an overview at the beginning. It uses Business Emphasis

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boxes to pull out important business applications.

Fundamentals of Data Communication
Networks

Loose Leaf for C++ Programming: An
Object-Oriented Approach

ISE Data Communications and
Networking with TCP/IP Protocol
Suite

Data Communications and Networking
Global Edition 5e

Understanding Data Communications

The fifth edition of Behrouz
Forouzan's Data

Communications and

Networking presents a

comprehensive and accessible
approach to data

communications and

networking that has made

this book a favorite with

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students and professionals alike. More than 830 figures and 150 tables accompany the text and provide a visual and intuitive opportunity for understanding the material. This unique approach minimizes the need for heavy math content, allowing normally complicated topics to unfold graphically and visually rather than through the presentation of complex formulas. The global edition has been developed specifically to meet the needs of international computer networks students. In addition to a chapter on the peer-to-peer paradigm, a full chapter on quality of

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service (QoS), generous coverage of forward error correction, coverage of WiMAX, and material on socket-interface programming in Java, we have added new international end-of-chapter questions and problems to make the content more relevant and improve learning outcomes for the international student.

Data Communication Principles for Fixed and Wireless Networks focuses on the physical and data link layers. Included are examples that apply to a diversified range of higher level protocols such as TCP/IP, OSI and packet based wireless networks.

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Performance modeling is introduced for beginners requiring basic mathematics. Separate discussion has been included on wireless cellular networks performance and on the simulation of networks. Throughout the book, wireless LANs has been given the same level of treatment as fixed network protocols. It is assumed that readers would be familiar with basic mathematics and have some knowledge of binary number systems. Data Communication Principles for Fixed and Wireless Networks is for students at the senior undergraduate and first year graduate levels. It can also

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be used as a reference work for professionals working in the areas of data networks, computer networks and internet protocols.

Focused on fundamental concepts and practical applications, this book provides a strong foundation in the principles and terminology of computer networking and internet technology. This thoroughly revised second edition, incorporating some of the latest technical features in networking, is suitable for introductory one-semester courses for undergraduate students of computer science and engineering, electronics and telecommunication

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engineering, information technology, as well as students of computer applications (BCA and MCA). This text begins with an overview of computer networking and a discussion on data communication. Then it proceeds to explain how computer networks such as local area networks (LANs) and wide area networks (WANs) work, and how internetworking is implemented. Besides, the book provides a description of the Internet and TCP/IP protocol. With the prolific growth of networking, 'network management and security' has become an increasingly important part

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of the academic curriculum.

This topic has been adequately dealt with in a separate chapter. The practical aspects of networking, listing the essential requirements needed for actually setting up a computer network, are thoroughly explained in the final chapter of the book.

WHAT IS NEW IN THE SECOND EDITION • Wireless LAN in

Chapter 4 • API and Socket Programming and End-to-End Protocol in Chapter 7 •

Remote Procedure Call (RPC) Protocol in Chapter 8 •

Dynamic Host Configuration Protocol -Error reporting by ICMP

-Virtual Private Network (VPN) in Chapter 9

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-Network Address Translation (NAT) An appendix dealing with telephone networking, wireless networking, cellular networking and satellite and telemetry communication has been included to meet the requirements of the students.

Int. To Data Communication & Networking

Data Communication Principles

Introduction to Data Communications and Networking

Data and Computer Network Communication

IPv6 Fundamentals

Appropriate for Computer Networking or Introduction to Networking courses at

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both the undergraduate and graduate level in Computer Science, Electrical Engineering, CIS, MIS, and Business Departments. Tanenbaum takes a structured approach to explaining how networks work from the inside out. He starts with an explanation of the physical layer of networking, computer hardware and transmission systems; then works his way up to network applications.

Tanenbaum's in-depth application coverage includes email; the domain name system; the World Wide Web (both client- and server-side); and multimedia (including voice over IP, Internet radio video on demand, video conferencing, and streaming media).

From Charles M. Kozierok, the creator of the highly regarded www.pcguide.com, comes *The TCP/IP Guide*. This completely up-to-date, encyclopedic reference on the TCP/IP protocol suite will

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appeal to newcomers and the seasoned professional alike. Kozierek details the core protocols that make TCP/IP internetworks function and the most important classic TCP/IP applications, integrating IPv6 coverage throughout. Over 350 illustrations and hundreds of tables help to explain the finer points of this complex topic. The book's personal, user-friendly writing style lets readers of all levels understand the dozens of protocols and technologies that run the Internet, with full coverage of PPP, ARP, IP, IPv6, IP NAT, IPSec, Mobile IP, ICMP, RIP, BGP, TCP, UDP, DNS, DHCP, SNMP, FTP, SMTP, NNTP, HTTP, Telnet, and much more. The TCP/IP Guide is a must-have addition to the libraries of internetworking students, educators, networking professionals, and those working toward certification. Appropriate for a first course on computer

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networking, this textbook describes the architecture and function of the application, transport, network, and link layers of the internet protocol stack, then examines audio and video networking applications, the underpinnings of encryption and network security, and the key issues of network management. Th
The Art of The Fellowship of the Ring
Fundamental Concepts and Key
Architectures

Integrated Broadband Networks

TCP/IP Protocol Suite

TCP/IP, ATM, SDH/SONET, and

WDM/Optics

**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 and Computer Communications, 10e, is a two-time winner of the best Computer Science and Engineering textbook of the year award from the Textbook and Academic Authors Association. It is ideal for one/two-semester courses in Computer

Networks, Data Communications, and Communications Networks in CS, CIS, and Electrical Engineering departments. This book is also suitable for Product Development personnel, Programmers, Systems Engineers, Network Designers and others involved in the design of data communications and networking products. With a focus on the most current technology and a convenient modular format, this best-

selling text offers a clear and comprehensive survey of the entire data and computer communications field. Emphasizing both the fundamental principles as well as the critical role of performance in driving protocol and network design, it explores in detail all the critical technical areas in data communications, wide-area networking, local area networking, and protocol design. Annotation As one of the

fastest growing technologies in our culture today, data communications and networking presents a unique challenge for instructors. As both the number and types of students are increasing, it is essential to have a textbook that provides coverage of the latest advances, while presenting the material in a way that is accessible to students with little or no background in the field. Using a bottom-up

approach, Data Communications and Networking presents this highly technical subject matter without relying on complex formulas by using a strong pedagogical approach supported by more than 700 figures. Now in its Fourth Edition, this textbook brings the beginning student right to the forefront of the latest advances in the field, while presenting the fundamentals in a clear, straightforward manner. Students will

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**find better coverage,
improved figures and
better explanations on
cutting-edge material.
The "bottom-up" approach
allows instructors to
cover the material in
one course, rather than
having separate courses
on data communications
and networking**

**Data Communications and
Networking with TCP/IP
Protocol Suite**

Computer Networking

Computer Networks

A Textbook

Study Companion

C++ Programming: An Object-

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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.

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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.

Presents the fundamental concepts of database management. This text is suitable for a first course in databases at the junior/senior undergraduate level or the first year graduate level.

More than five hundred images, ranging from the earliest pencil sketches and conceptual drawings to paintings and film stills, document the art and artistry of the film "The Lord of the Rings, the Fellowship of the Ring."

**DATA COMMUNICATIONS AND
COMPUTER NETWORKS**

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A Comprehensive, Illustrated Internet
Protocols Reference

Data and Computer Communications
Telecommunication Switching and
Networks

Business Data

Communications, 6/e, is
ideal for use in Business
Data Communications, Data
Communications, and
introductory Networking for
Business courses. Business
Data Communications,
6/e, covers the fundamentals
of data communications,
networking, distributed
applications, and network
management and security.
Stallings presents these
concepts in a way that
relates specifically to the
business environment and the

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concerns of business management and staff, structuring his text around requirements, ingredients, and applications. While making liberal use of real-world case studies and charts and graphs to provide a business perspective, the book also provides the student with a solid grasp of the technical foundation of business data communications. Throughout the text, references to the interactive, online animations supply a powerful tool in understanding complex protocol mechanisms. The Sixth Edition maintains Stallings' superlative support for either a

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research projects or modeling projects component in the course. The diverse set of projects and student exercises enables the instructor to use the book as a component in a rich and varied learning experience and to tailor a course plan to meet the specific needs of the instructor and students.

. This book is designed for introductory one-semester or one-year courses in communications networks in upper-level undergraduate programs. The second half of the book can be used in more advanced courses. As pre-requisites the book assumes a general knowledge of

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computer systems and programming, and elementary calculus. The second edition expands on the success of the first edition by updating on technological changes in networks and responding to comprehensive market feedback..

"Explanations of the technologies are provided within the concepts of architecture and layering models, multiplexing and switching methods, routing algorithms and protocols, network control, traffic management methods, and QoS support. The book also offers one of the first overviews of the IP over WDM field."--Cover.