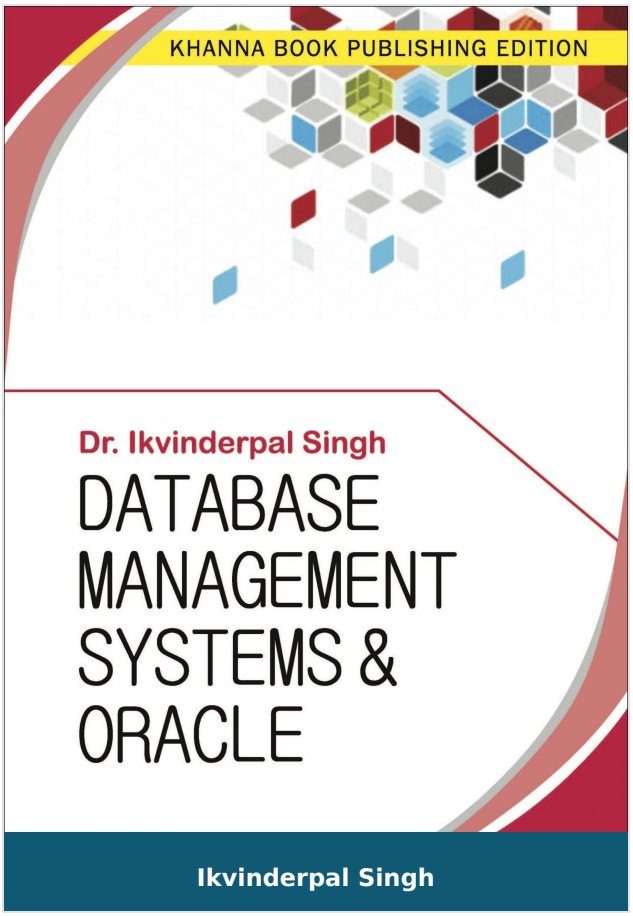

Database Management Systems & Oracle

Author :	Ikvinderpal Singh
ISBN 13 :	978-93-82609-29-2
ISBN 10 :	9382609296
E-ISBN 13 :	978-93-82609-29-2
Edition :	1
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Year :	2014
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 435.00
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Condition Type :	New
Country Origin :	India

Product Description

The database in now the underlying framework of the information system, and has fundamentally changed the way many organizations operate. In particular, the developments in this technology over the last few years have produced systems that are more powerful and more intuitive to use. this has resulted in database systems becoming increasingly available to a winder variety of users. the objectives of this book, therefore, are to provide a textbook that introduces the theory behind database as clearly as possible and, in particular, to provide a methodology for database design that can be used by IT professionals, such as systems analysts or designers, application programmers, systems programmers, database practitioners, and for for independent self-teachers.

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Table Of Contents

- Database Concepts
- Data Models
- Entity Relationship Model
- Relational Database Model
- Relational Algebra And Calculus
- Normalization
- Transaction Processing
- Concurrency Control
- Database Recovery
- Database Security And Integrity
- Distributed Databases
- Oodbms and Kbms
- UNIT-I
- Introduction To Oracle
- Introduction To Sql
- More On Sql
- Sql Performance Tuning
- UNIT-2
- Introduction To Pl/Sql
- Pl/Sql Datatypes
- Pl/Sql Control Statements
- Pl/Sql Transactions And Concurrency Control
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- Pl/Sql Subprograms
- Pl/Sql Database Triggers
- Handling Pl/Sql Errors

Author

Ikvinderpal Singh

Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.

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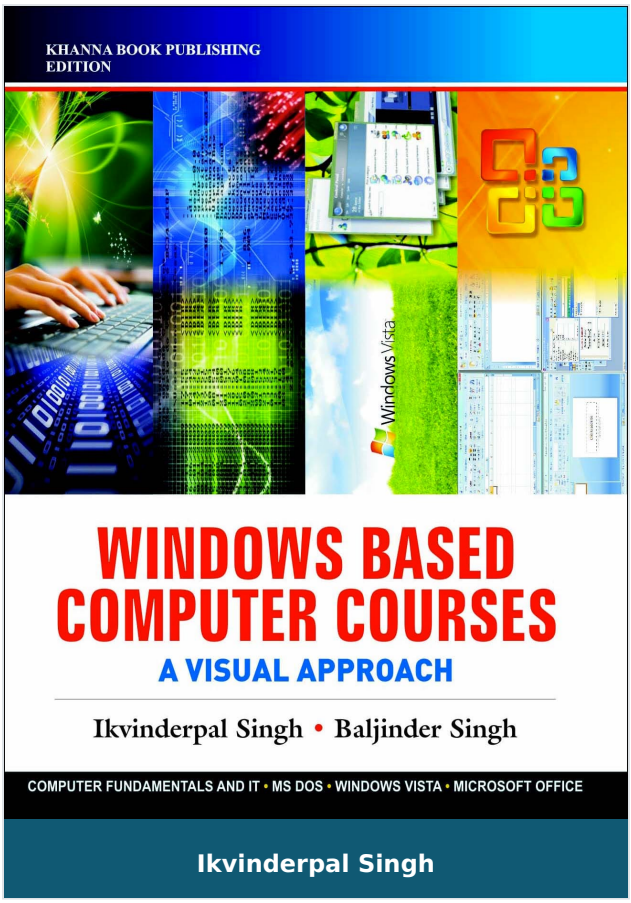

Windows Based Computer Courses

Author :	Ikvinderpal Singh
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Edition :	First
Pages :	1000
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Product Description

This book is meant for a wide range of readers who with to learn the basic concepts of computer fundamentals, MS DOS, window vista and Microsoft office 2003. In this book we cover all basic concepts of first year computer courses of various Indian Universities in a systematic and simplified manner. While writing this book, it was kept in mind to include only the relevant topics so that it is useful both for learning and reference purpose.

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- Computer Fundamentals And Information Technology
- MS DOS
- Windows Vista
- Microsoft Office 2003
- Microsoft Word 2003
- Microsoft Excel 2003
- Microsoft PowerPoint 2003
- Microsoft Access 2003

Author

Ikvinderpal Singh

Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.

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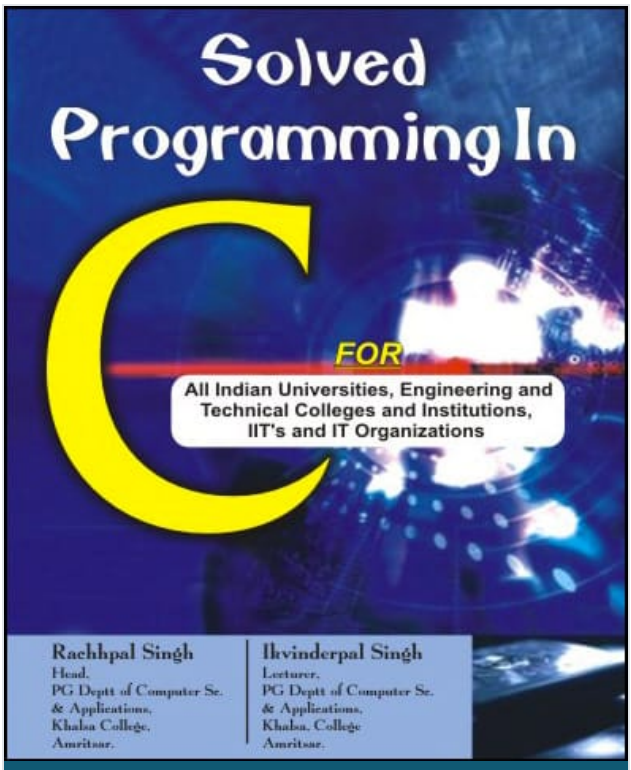

Ikvinderpal Singh, Rachhpal Singh

Solved Programming in C

Author :	Ikvinderpal Singh, Rachhpal Singh
ISBN 13 :	978-93-80016-19-1
ISBN 10 :	9380016190
E-ISBN 13 :	978-93-80016-19-1
Edition :	First
Pages :	520
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Year :	2012
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 350.00
Categories :	Computer Science Engineering, OBJECTIVE TYPE BOOKS, Book Store
Condition Type :	New
Country Origin :	India

Product Description

This book blends concepts with real practical applications. Simple and lucid style trains the reader not only in developing application programs but also familiarizes with system level programming. Contains about 1600 solved simple as well as complex programming problems. Include real life solved examples. Contains program regarding all header files functions used in C programming like studies math etc. All macro functions are covered with suitable programs macro basic, macro constant, macro string etc. Contain all data types programming descriptions. All operations are explaining in the form of simple programs. It covers all function of console I/O and file I/O. Control statements, array, strings, functions, pointers, dynamic memory allocation is described using simple as well as system level programming. Containing graphic programming.

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- Getting Started With C
- All Data Types
- Operators
- Console Input/Output
- Control Statements
- Array
- Strings
- Functions
- Pointers
- Dynamic Memory Allocation
- Structure and Union
- Files
- Macros in C
- Header Files in C
- Graphics Programming

Author

Ikvinderpal Singh

Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development

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courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.

Rachhpal Singh

Rachhpal Singh is head of P.G. Dept. Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA from thapar Institute of Engineering and Technology, patiala. He has over fifteen years of teaching experience to teach post graduate classes. He is an international author of the world level and his other areas of interest include software engineering, parallel processing system level programming.

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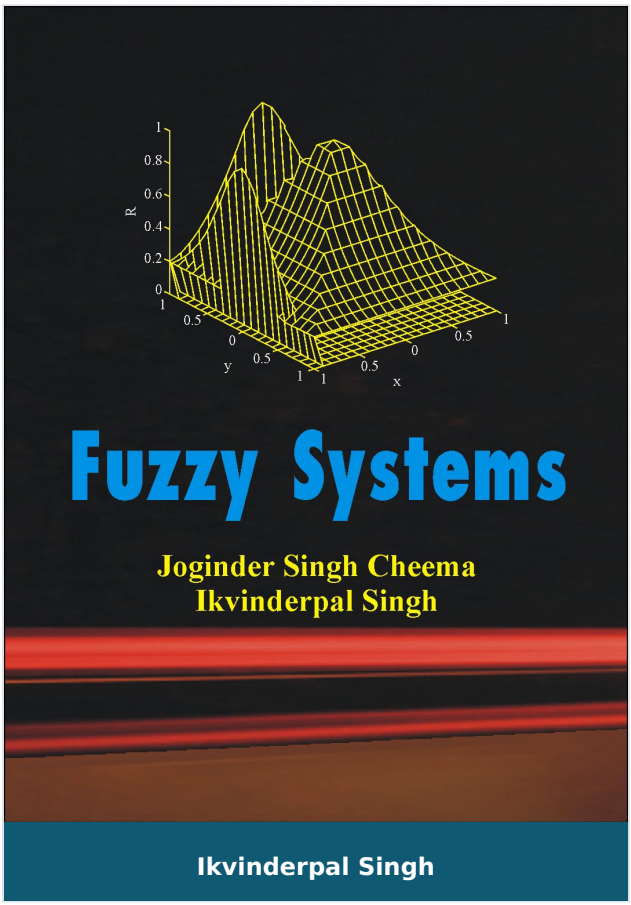

Fuzzy Systems

Author :	Ikvinderpal Singh
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E-ISBN 13 :	978-93-80016-49-8
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Product Description

This book is meant for a wide range of readers, especially college and university students wishing to learn basic as well as advanced processes and techniques in Fuzzy systems. It can also be meant for programmers who may be involved in programming based on the Fuzzy system applications. Modern aspects of fuzzy systems have been introduced from the first principles and discussed in an easy manner. So that a beginner can grasp the concepts of Fuzzy logic, fuzzy sets, fuzzy relations, fuzzy reasoning, fuzzy probability, fuzzy expert systems etc. each chapter contains solved example problems and exercise problems.

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Table Of Contents

- Introduction to Fuzzy System
- Fuzzy Logic
- Classical Sets and Fuzzy Sets
- Fuzzy Relations, Fuzzy Graphs and Fuzzy Arithmetic
- Fuzzy If-then Rules
- Applications of Fuzzy Logic
- Neuro-Fuzzy Systems
- Genetic Algorithm
- Fuzzy Logic and Probability Theory
- Fuzzy Logic and Probability Theory
- Fuzzy Model Identification
- Fuzzy Logic in Database and Information Systems
- Fuzzy Logic and Artificial Intelligence
- Fuzzy Logic and Pattern Recognition

Author

Ikvinderpal Singh

Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active

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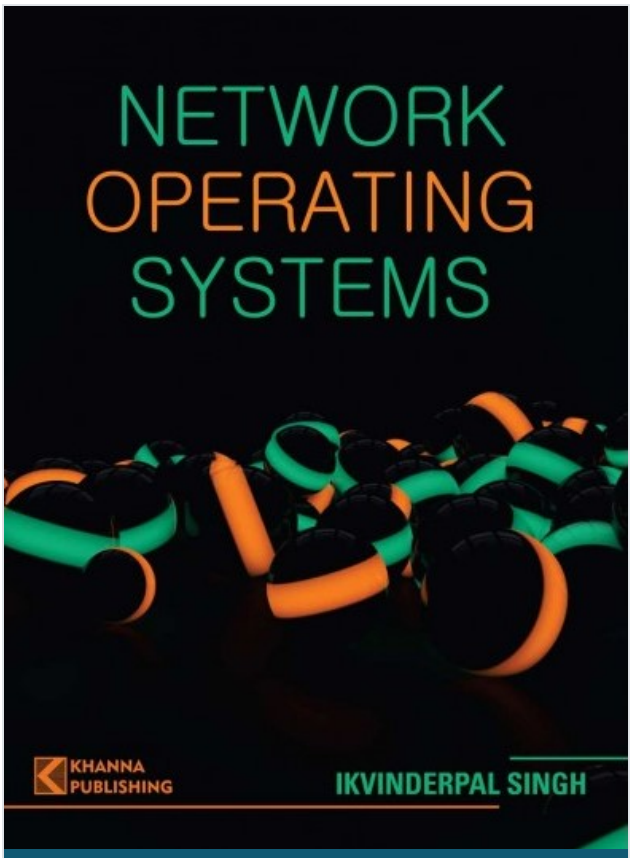

Ikvinderpal Singh

Network Operating Systems

Author :	Ikvinderpal Singh
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E-ISBN 13 :	978-93-81068-19-9
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Product Description

Windows computers are rarely used without an active network connection, and often play major roles in supporting the network by providing routing, firewall protection, name resolution, IP address allocation, and remote access. Given the ubiquity of networking, every system administrator must master network administration. This book will help you master networking on windows services such as DNS and DHCP are included. Additionally, windows services provide the best support for proprietary Microsoft networking services and protocols, such as 113, WINS, DNS and Proxy servers, One of the advantages of using windows servers is that they do an excellent job of integrating Microsoft network services into an internet built on standard internet protocols. Each and every concept described with the help of its pictorial representation and examples to have clear ideas.

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- Introduction
- Windows Server 2003
- Disk Management
- Servers
- User Group and Computer Accounts
- Active Directory
- Performance Monitoring and Security
- Special Topics
- Glossary

Author

Ikvinderpal Singh

Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.

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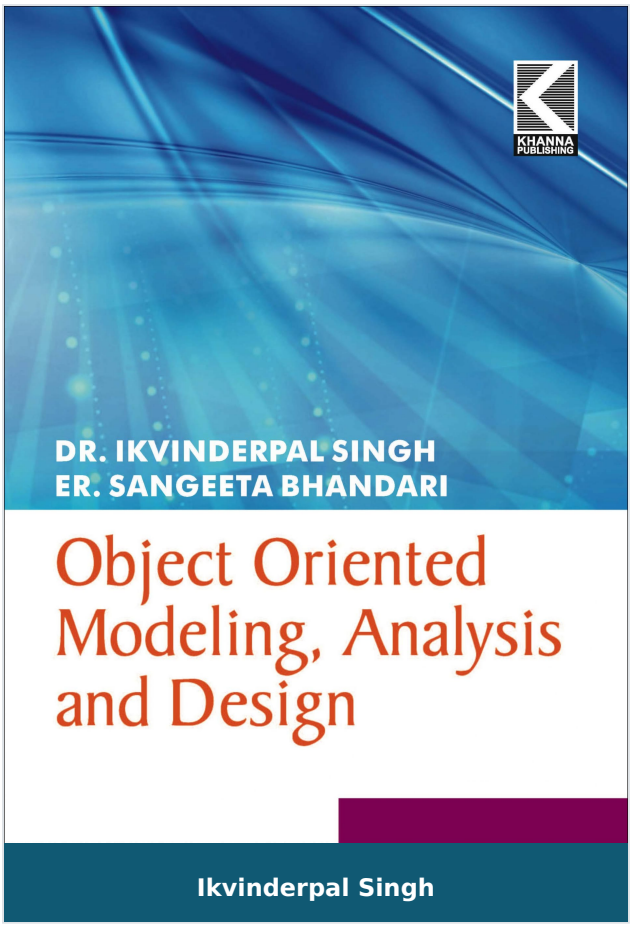

Object Oriented Modeling, Analysis and Design

Author :	Ikvinderpal Singh
ISBN 13 :	978-93-82609-41-4
ISBN 10 :	9382609415
E-ISBN 13 :	978-93-82609-41-4
Edition :	1
Pages :	404
Type of book :	Physical
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Product Description

This book presents are object oriented approach to software development based on modeling objects from the real world and then using the model to build a language independent design organized ground those objects. This book describes a set of object oriented concepts and a language independent graphical notation can be used to analyze problem requirements, design a solution to the problem, and then implement the solution in a programming language or database. This book can be used as a textbook for a graduate or postgraduate course on object oriented technology. It can be used as a supplementary text for courses on databases or programming languages.

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Table Of Contents

- Introduction
- Object Oriented Concepts
- Object Oriented Modeling: UML
- Object Oriented Modeling: Use Cases
- Object Oriented Analysis
- Object Model
- Advanced Object Model
- Dynamic Model
- Functional Model
- System Design
- Object Design

Author

Ikvinderpal Singh

Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.

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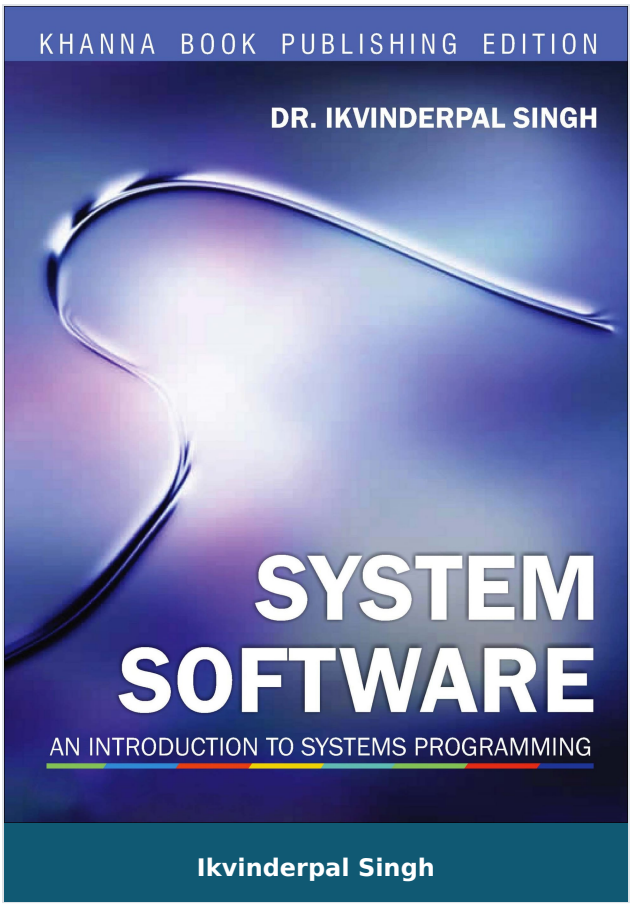

System Software

Author :	Ikvinderpal Singh
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Product Description

Fundamental concepts are introduced in simple terms, Numerous examples are included to illustrate concepts and techniques. The sequence of topics is well planned to provide a seamless transition from design to implementation. Fundamental concepts and basic design of each type of software in a machine-independent way. With each chapter, the continuity of topics is excellent. The figures appropriately enhance and amplify the topics. The exercises can be found at the end each chapter. Other sections are devoted to DBMS, text editor and interactive debugging systems.

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- Introduction
- Programming Language
- Assemblers
- Macro Processors
- Compilers
- Loaders And Linkage Editors
- Operating System
- System Software Tools

Author

Ikvinderpal Singh

Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.

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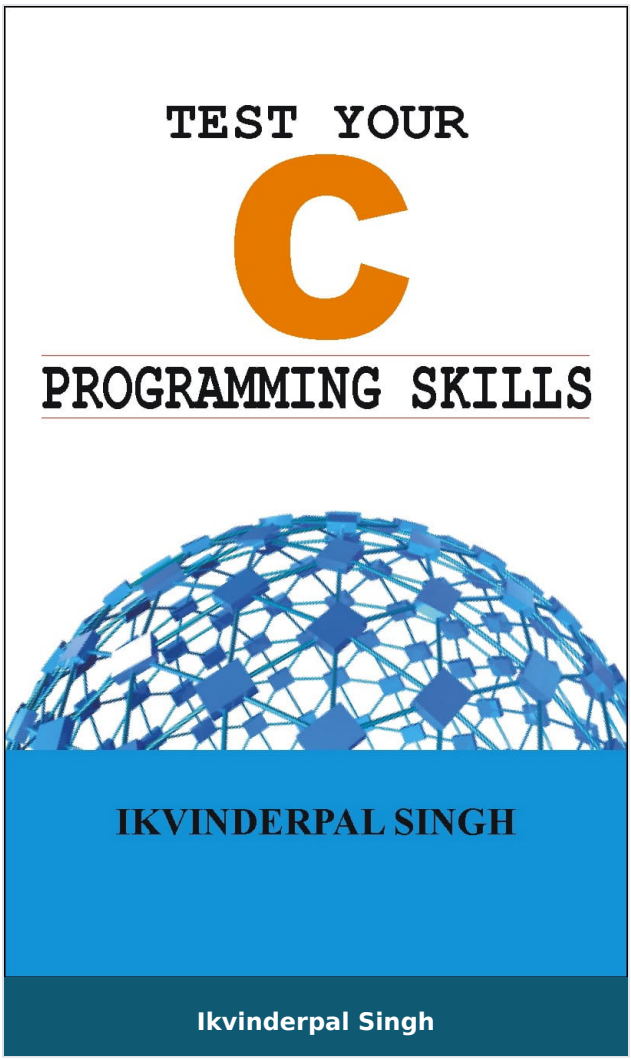

Test Your C Programming Skills

Author :	Ikvinderpal Singh
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ISBN 10 :	9380016255
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Edition :	1
Pages :	748
Type of book :	Physical
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Product Description

This book will teach you how to explore the immense potential of C, with lucid explanations to elusive solutions. Many of the Degrees or diplomas or certified programs being conducted in computer science and Information Technology field, it has indeed become difficult for software development companies to separate chaff from the grain. Hence many of the IT companies conduct written test in C language. Through on the face of it C language appears to be simple but it has number of features which can challenge the best in the field. This book will be an excellent guide for aspiring IT professionals and a valuable resource bank, for IT companies, to frame placement papers and technical interviews. Each chapter contains code snippets, Fill in the Blanks, True or false and Objective Type Questions.

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- Getting Started
- Operators and Expressions
- Console Input and Output
- Control Flow Statements
- Arrays
- Strings
- Functions
- Storage Classes
- Pointers
- Structure and Union
- Files
- C Preprocessor
- C Traps

Author

Ikvinderpal Singh

Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.

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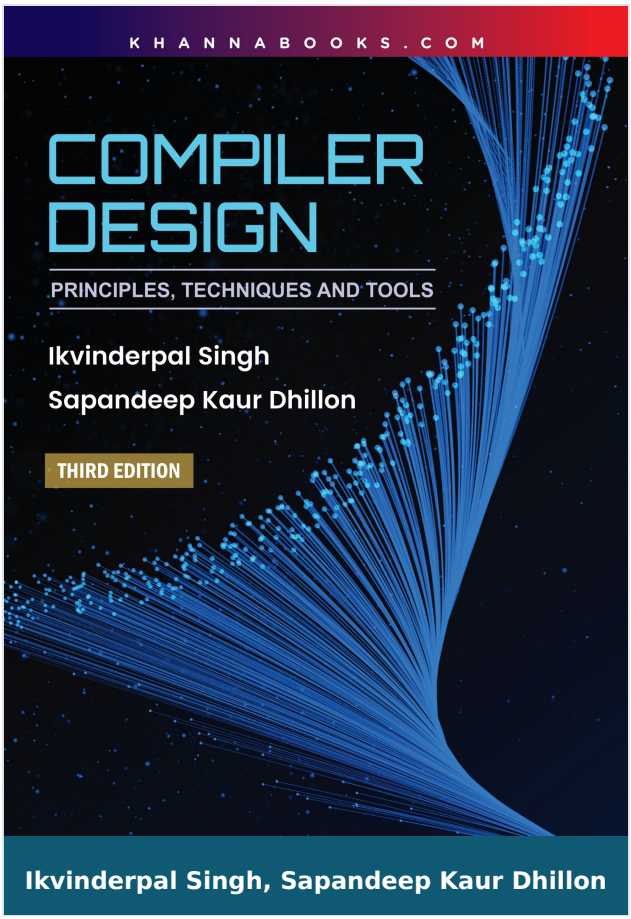

Compiler Design

Author :	Ikvinderpal Singh, Sapandeep Kaur Dhillon
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ISBN 10 :	9374540142
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Edition :	Third
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Product Description

Compiler design

Compiler design is a subject which many believe to be fundamental and vital to computer science. It is subject which has been studied intensively since the early 1950’s and continues to be an important research field today. It is intended for both students and practitioners, retaining its appeal as a guide to the industry professional and a comprehensive introduction to the student at the upper level undergraduate or first year graduate level. This book will be useful for student of BE (Computer/Electronics), B. Tech, ME(Computer/Electronics), M. Tech, MCA, BCA, M.Sc., B.Sc., and also to students pursuing A/B/C-level course of DOEACC.

Salient Features

- Gives an introduction the basics of compiler design
- Describes the lexical and syntax analysis.
- Deals with symbol table management.
- Describes the storage management.
- Gives the details of code generation and optimization.
- Gives a detailed explanation of various types of compilers.
- Gives a case study of YACC and its implementation.

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Table Of Contents

- Basics Of Compilers
- Lexical Analysis
- Syntax Analysis
- Symbol Table Handling
- Storage Management
- Intermediate Code Generation
- Code Generation
- Code Optimization
- Types Of Compilers

Author

Ikvinderpal Singh

Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.

Sapandeep Kaur Dhillon

Sapandeep Kaur Dhillon is an assistant professor in the department of computer science, Guru Nanak Dev University, Amritsar, bringing 12+ years of dedicated academic experience to the discipline. She has authored 4 books, published 10+ research papers

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across national and international journals, reflecting her steady engagement with emerging trends in computing. Her academic interests span data structures, Compiler Design, and Artificial Intelligence, where she integrates foundational theory with practical, algorithmic thinking.

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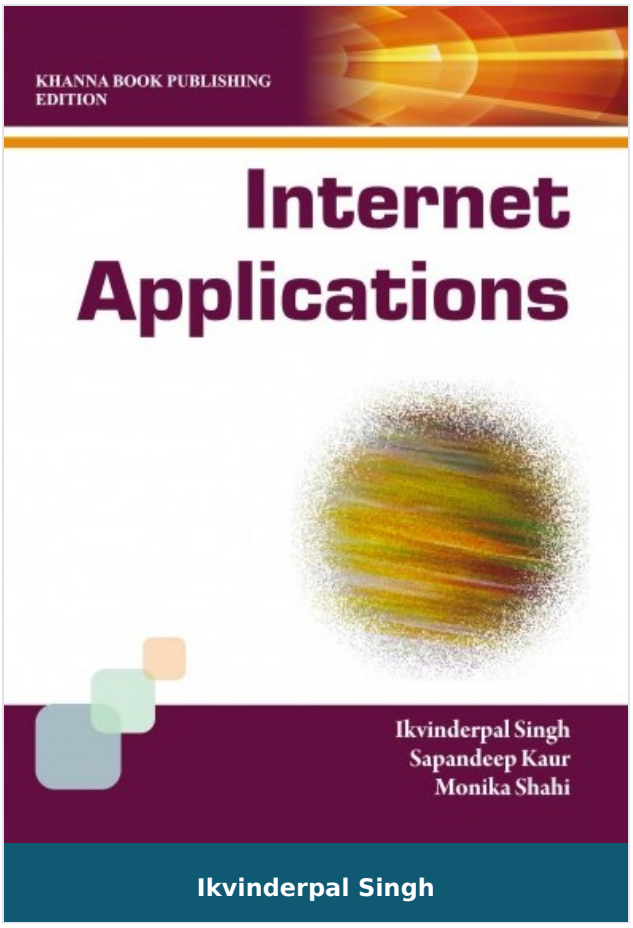

Internet Applications

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Product Description

This book is meant for a wide range of readers, who wish to learn the basic concepts of internet applications. in the book we cover all basic concepts of internet of various Indian Universities in as systematic and simplified manner. While writing this book, it was kept in mind to include only the relevant topics so that it is useful both for learning and reference purpose. Internet application have been introduced from the first principles and discussed in an easy manner, so that a beginner can grasp the concepts of working of internet, E-mail, internet protocols, newsgroup, worldwide web, search engines, internet and extranet, web designing using HTML, DHTML with programming techniques.

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- Internet Protocols
- Usenet Newsgroups
- World Wide Web (WWW)
- HTML
- Forms in HTML
- Cascading Style Sheets (CSS)
- Javascript
- DHTML
- Search Engines
- Intranet & Extranet

Author

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Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.

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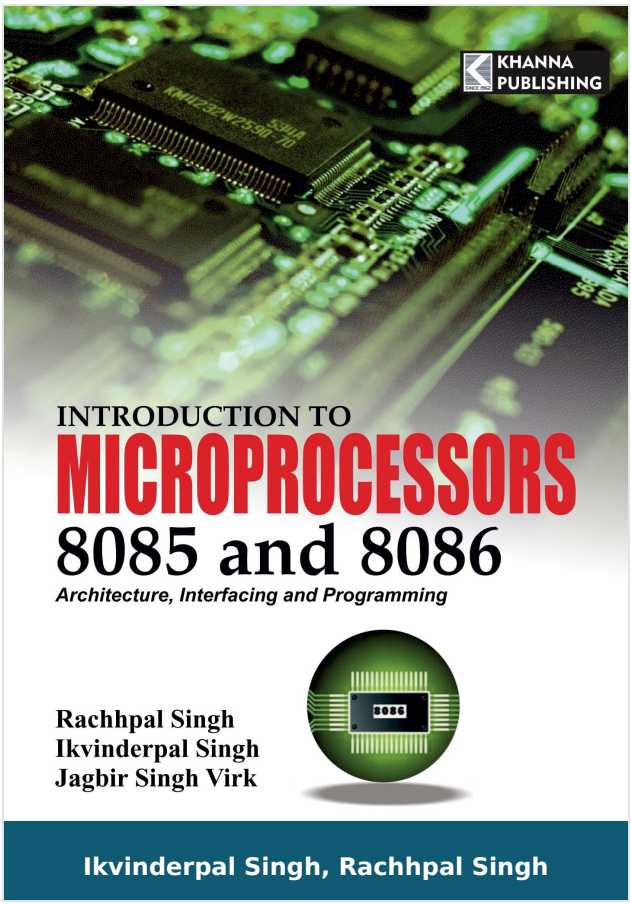

Introduction to Microprocessors 8085 and 8086

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Product Description

Written with the beginner in mind, this book provides an exceptionally clear and precise detail of microprocessors. Its approach is explanatory and language is lucid and communicable. Each and every microprocessor described with the help of internal architecture its pin diagram and interfacing to have clear ideas lucid presentation of instruction set of each microprocessor.

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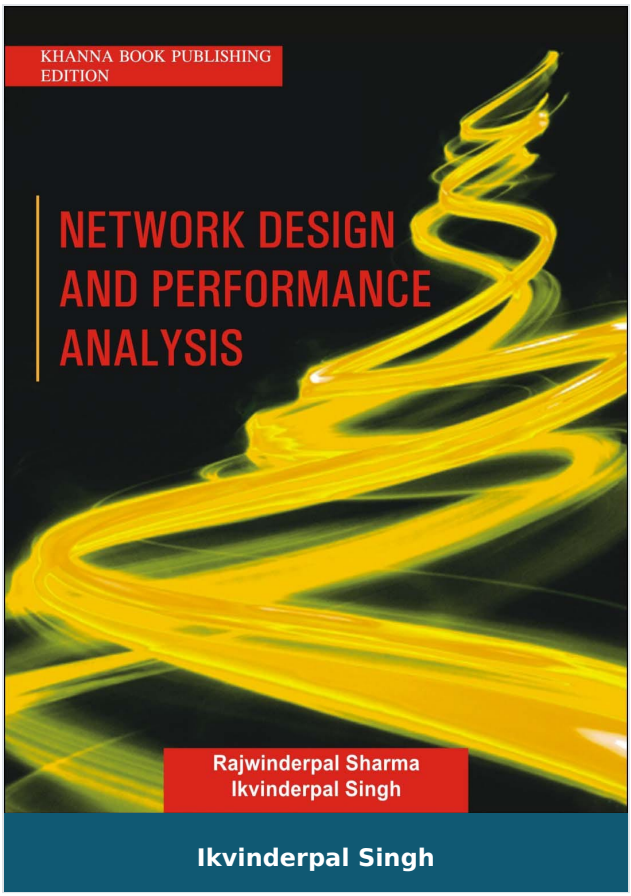

Network Design and Performance Analysis

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Product Description

Discusses on the introduction to requirements analysis and specifications. Detailed explanation of the Traffic Engineering & capacity planning. Provides a detailed treatment of network performance modeling. Covers the concept of choosing service provider, vendor and service levels. Design and architecture of access network design. Provides an extensive treatment of backbone network design. Covers the concept of security and designing for network. Detailed explanation of documentation and network management. Demonstrates the concept of the network optimization.

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Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.

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