COMPUTER CONCEPTS AND PROGRAMMING IN C

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R.S. SIROHI

Computer Concepts And Programming In C

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Computer Concepts And Programming In C:

   Computer Concepts and C Programming P.B. Kotur,2013-05-24 The book Computer Concepts and C Programming is designed to help the Engineering students of all Indian Universities This book is written as per the new syllabus of the Visveswaraiah Technological University Belgaum India and it satisfies all the requirements of I II semester students who aspire to learn the fundamentals of computers and C Programming C is a structured programming language This is most popular and a very powerful programming language It is standardized and portable across multiple operating systems C has been the most sought after programming language for developing the system software such as device drivers compilers parts of operating systems interpreters for languages like Java Prolog etc Among other popular programming languages like C Java and C C retained its position in software development activities This book provides more than 100 example programs All these programs are executed and tested on Borland C compiler and with the vi editor on UNIX All the laboratory assignments are provided in Appendix A There are 150 multiple choice questions given for the readers to test their knowledge of C language   **Computer Concepts and Programming In C.** M. A. Jayaram,1900 Section One Computer ConceptsModule 1 Introduction to Digital ComputerModule 2 The HardwareModule 3 SoftwareModule 4 Computing EnvironmentsSection Two Programming in CModule 1 Algorithms and Flow ChartsModule 2 Fundamentals of CModule 3 First Venture into CModule 4 Control Structures in CModule 5 ArraysModule 6 User Defined Functions in CModule 7 Strings in CModule 8 PointersAppendixIndexSelected References   **Computer Concepts And Programming In C.** ,2010 Section One Computer Concepts Module 1 Introduction to Digital Computer Module 2 The Hardware Module 3 Software Module 4 Computing Environments Section Two Programming in C Module 1 Algorithms and Flow Charts Module 2 Fundamentals of C Module 3 First Venture into C Module 4 Control Structures in C Module 5 Arrays Module 6 User Defined Functions in C Module 7 Strings in C Module 8 Pointers Appendix Index Selected References   Computer Concepts and Programming in C D. S. Yadav,Rajiv Khanna,2008   **Computer Concepts and Programming in C: Computer concepts** M. A. Jayaram,2010   Computer Concepts and C Programming Atul P. Godse,2008 Computer SystemsThe Computer defined Computers for individual users Computers for organizations The parts of a computer system The information processing cycle Essential computer hardware Interacting with ComputerThe Keyboard The standard keyboard layout How the computer accepts input from the keyboard The mouse Variants of the mouse Inputting data in other ways Devices for the hand Optical Input Devices Audiovisual Input Devices Video and sound Monitors Data projectors Sound systems Printing Commonly used printers Dot matrix printers Ink jet printers Laser printers Processing DataTransforming Data into Information How computers represent data How computers process data Factors affecting processing speed Microcomputer processors Extending the processor s power to other devices Storing DataTypes of storage devices Measuring and improving drive performance Using Operating SystemsOperating system basics The purpose of operating system Types of operating

system Providing a user interface PC operating systems DOS Windows NT workstation 9X 2000 Professional XP Linux for the desktop Networks and the InternetNetworking basic the uses of a network Common types of networks Network topologies and protocols What is the Internet Internet s major services Understanding the world wide web Using E mail Algorithms and FlowchartsAlgorithms Flowcharts Divide and conquer strategy Writing algorithms and drawing flowcharts for simple exercises Swapping contents of 2 variables Largest of given three numbers Solving a given quadratic equation Factorial of a given integer Constants Variables and Data typesCharacters set C tokens Keywords and Identifiers Constants Variables Data types Declaration of variables Operators and ExpressionsArithmetic operators Relational operators Logical operators Assignment operators Increment and Decrement operators Conditional operator Bitwise operators Special operators Arithmetic expressions Evaluation of expressions Precedence of Arithmetic operators Type conversions in expressions Operator precedence and associativity Managing Input and Output OperationsReading a character Writing a character Formatted Input Formatted OutputDecision Making and BranchingDecision making with if statement Simple if statement The if else statement Nesting of if else statements The else if ladder The switch statement The operator The Goto statementDecision Making and LoopingThe while statement The do statement The for statement Jumps in LoopsArraysOne dimensional Arrays Declaration of one dimensional Arrays Initialization of one dimensional Array Two dimensional Arrays Initializing two dimensional Arrays User Defined FunctionsNeed for User defined Functions A multi function Program Elements of User defined Functions Definition of Functions Return Values and their Types Function Calls Function Declaration Category of Functions No Arguments and no Return Values Arguments but no Return Values Arguments with Return Values No Argument but Returns a Value Functions that Return Multiple Values   Computer Concepts And C Programming (With Cd) Vikas Gupta,2009-11-01 The Computer Concepts and C Programming book helps you to master the fundamentals of computer and C programming language The book is divided into two sections the first section provides an in depth coverage of basic concepts of computer such as input output devices memory devices operating systems and networking The second section of the book elaborates different programming techniques in C programming and covers concepts such as variables operators strings managing input output arrays and pointers The book is ideal for students who want to build their future in the field of software development   **COMPUTER CONCEPTS AND C PROGRAMMING** ANAMI, BASAVARAJ S.,ANGADI, SHANMUKHAPPA A.,MANVI, SUNILKUMAR S.,2010-05 This second edition of the book allows students to undertake a complete study of C including the fundamental concepts programming problem solving and the data structures The book is also structured to provide a general introduction to computer concepts before undertaking a detailed treatment of the C programming language To that end the book is eminently suitable for the first year engineering students of all branches as per the prescribed syllabus of several universities for a course on Computer Concepts and C Programming Besides the book fully caters to the needs of the students pursuing undergraduate and postgraduate courses in

general streams such as computer science information science computer applications BCA and MCA and information technology Written in an engaging style the book builds the students C programming skills by using a wide variety of easy to understand examples illustrating along the way the development of programming constructs and logic for writing high quality programs The book also develops the concepts and theory of data structures in C such as files pointers structures and unions using innumerable examples The worked examples in the form of programs and program segments are illustrated with outputs of sample runs A chapter on Computer Graphics is provided to give the students a feel of how C language is used for display of graphics and animation An exclusive chapter on advanced concepts such as enumerated data types bitwise operators and storage classes is included in sufficient detail to help students progress to writing practical and real world applications Besides a new chapter presents a C quiz comprising of 100 objective type questions that help readers to test their C skills *Computer Concepts and Programming in C: Programming in C* M. A. Jayaram,2010 *Computer Concepts And Programming In C, 2nd Edition, 2010* Rathore, **Computer Concepts & 'C' Programming** Dr. B.G. Sangameshwara,2008-01-01 Computer has become part and parcel of our daily life like breathing whether we like it or not This book aims to provide an introduction to computers with an overview of software as well as hardware concepts Networking and internet are covered before going deeply in to the concept of programming using C language This book is a result of hardship over 30 years of teaching Features Informative Instructive and Intuitive Step by step development with photographs of allied components Large number of practical examples Easy reading without compromising on content and quality Useful section of frequently asked questions Contents Introduction to Computers Input and output devices Input and output devices Software Using operating system Networking and the internet Algorithms and Flow charts C language preliminaries Numeric constants and variables Input and output functions Operators in C Control statements Loop control structures Arrays and Functions *Computer Concepts and C Programming* J. Dixit,2005 **Computer Concepts & Programming in C** Naveen Rathor,2008-08-01 This book covers the syllabi of various courses related to Computer fundamental and C Programming in MBA MCA B Sc Computer B Tech CS IT of many universities The Salient feature sof the book are as follows 1 This book has been divided into three parts each part serves for different mean 2 The book provides more detailed concepts about computer fundamentals 3 The book introduces the concepts at very outset so that the student could properly understand C programming in easiest way 4 This book also intended for the students really to break the campus interview 5 Along with the syllabus related material it also contains topics that will surely lead you to improve your personality *Computer Concepts and Programming in C* J. B. Dixit,2010 This book consists of sixteen chapters highlighting the basics of computers operating systems Windows XP programming environments problem solving methodology number systems and programming in C Features detailed theory supplemented with appropriate figures and examples C programming examples with proper testing on TURBO C compiler debugging C programs independently includes previous

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syntax as well as common C idioms You can skim through the explanations and focus primarily on the source code provided

Fundamentals of C Programming Ashish Shukla, Pooja Dwivedi, Dr. M. N. Quadri, Dr. P. Dileep Kumar Reddy,2025-11-06 Fundamentals of C Programming provides a comprehensive introduction to the C programming language laying a strong foundation for students and beginners in computer science and engineering The book covers essential concepts including data types operators control structures arrays functions pointers structures file handling and dynamic memory management Each topic is explained with clear examples practical exercises and real world applications to enhance programming skills and logical thinking Designed for both classroom learning and self study this textbook emphasizes problem solving techniques code efficiency and debugging strategies making it an indispensable guide for mastering the fundamentals of programming in C

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