



## Computing Fundamentals and Programming in C

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## Product Description

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The complete spectrum of computing fundamentals starting from abc of computer to internet usage has been well covered in simple and readers loving style, The language used in the book is lucid, is easy to understand, and facilities easy grasping of concepts, The chapter have been logically arranged in sequence, The book is written in a reader-friendly manner both the students and the teachers, Most of the contents presented in the book are in the form of bullets, organized sequentially. This form of presentation, rather than in a paragraph form, facilities the reader to view, understand and remember the points better, The explanation is supported by diagrams, pictures and images wherever required, Sufficient exercises have been included for practice in addition to the solved examples in every chapter related to C programming, Concepts of pointers, structures, Union and file management have been extensively detailed to help advance learners, Adequate exercises have been given at the end of the every chapter, Pedagogy followed for sequencing the contents on C programming supported by adequate programming examples is likely to help the reader to become proficient very soon, 200 problems on C programming & their solutions, 250 Additional descriptive questions on C programming.

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## Table of Contents

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**Chapter 1:** History of Computing. **Chapter 2:** Basic Elements of Computers and Applications. **Chapter 3:** Number Systems and Data Representation. **Chapter 4:** Computer Codes. **Chapter 5:** Input and Output Devices. **Chapter 6:** Computer Memory and Secondary Storage. **Chapter 7:** Data Communication, Computer Networks and Internet. **Chapter 8:** Basic Concepts of Software and Its Types. **Chapter 9:** Evolution of Programming Languages and Program Development. **Chapter 10:** Overview of C Language. **Chapter 11:** Variables, Constants and Data Types. **Chapter 12:** Operator Types in C and Expressions. **Chapter 13:** Decision Making Iterative and Control Constructs In C. **Chapter 14:** User Defined Functions. **Chapter 15:** Arrays Overview and Its Types. **Chapter 16:** Pointers and Applications. **Chapter 17:** Structures and Union. **Chapter 18:** File Management in C. **Problems & Solutions on C Programming Additional Descriptive Questions on C References Index**



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## Author

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**Nasib Singh Gill** Dr. Nasib Singh Gill is a high profile and an acknowledge teacher. Dr. Gill obtained his Ph.D. degree in Computer Science in March 1996 under the supervision of a very renowned and an eminent Computer Scientist, Pro-Head, Department of Computer Science & Applications, M.D. University, Rohatak. He is working in Department of Computer Science & Applications, M.D. University, Rohtak since its inception in Feb. 1990. Presently, he is working as Senior Faculty in the department and has more than 10.5 years of teaching experience. His area of research is 'Software Metrics', a sub-area of 'Software engineering' discipline and presently he is orienting himself in the area of 'Information Technology'.

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