

The Elements Of Programming Style

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Elements of Programming
Elements of Programming Interviews
Elements of Programming Interviews in Java
Elements of Programming Interviews in Python
Elements of Software Project Management
Elements of Programming with Perl
Concepts and Techniques of Programming in C
All of Programming
Elements of Programming
The Elements of Programming Style
Elements of Programming Interviews in Java
Elements of Programming and Pascal
Elements of Programming
Elements of Software Science
Formal Description of Programming Concepts
The Anatomy of Programming Languages
The Seven Elements of Programming in Turbo Pascal
Theory and Practice of Software Technology
Elements of Programming Interviews in Python
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expression control structure program structure input and output common blunders efficiency and instrumentation documentation

elements of programming provides a different understanding of programming than is presented elsewhere its major premise is that practical programming like other areas of science and engineering must be based on a solid mathematical foundation this book shows that algorithms implemented in a real programming language such as c can operate in the most general mathematical setting for example the fast exponentiation algorithm is defined to work with any associative operation using abstract algorithms leads to efficient reliable secure and economical software

the core of epi is a collection of over 300 problems with detailed solutions including 100 figures 250 tested programs and 150 variants the problems are representative of questions asked at the leading software companies the book begins with a summary of the nontechnical aspects of interviewing such as common mistakes strategies for a great interview perspectives from the other side of the table tips on negotiating the best offer and a guide to the best ways to use epi the technical core of epi is a sequence of chapters on basic and advanced data structures searching sorting broad algorithmic principles concurrency and system design each chapter consists of a brief review followed by a broad and thought provoking series of problems we include a summary of data structure algorithm and problem solving patterns

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have you ever wanted to work at an exciting futuristic company struggled with an interview problem that could have been solved in 15 minutes wished you could study real world computing problems if so you need to read elements of programming interviews epi epi is your comprehensive guide to interviewing for software development roles the core of epi is a collection of over 250 problems with detailed solutions the problems are representative of interview questions asked at leading software companies the problems are illustrated with 200 figures 300 tested programs and 150 additional variants the book begins with a summary of the nontechnical aspects of interviewing such as strategies for a great interview common mistakes perspectives from the other side of the table tips on negotiating the best offer and a guide to the best ways to use epi we also provide a summary of data structures algorithms and problem solving patterns coding problems are presented through a series of chapters on basic and advanced data structures searching sorting algorithm design principles and concurrency each chapter starts with a brief introduction a case study top tips and a review of the most important library methods this is followed by a broad and thought provoking set of problems a practical fun approach to computer science fundamentals as seen through the lens of common programming interview questions jeff atwood co founder stack overflow and discourse

project management requires immense skills to achieve the end result but sometimes lack of project management skills results in failures it is therefore essential to study the basic features of project management this book is a contribution towards that goal divided into three sections introduction people related aspects or human resources and advanced topics the book brings forth the inside story of the software project management in an it company the simple descriptive style of presentation will enable any beginner to get a clear picture

of the procedures that are followed in the it companies intended for undergraduate and postgraduate students of computer science and engineering this textbook will also be useful for many software engineers and professionals dominating the hierarchy of the it industry key features review questions to grasp the topics easily quiz questions to reinforce the understanding of the subject relevant case studies depicting various situations and the necessary actions and decisions to be taken

many neophyte programmers now begin their careers by learning the metalanguage perl but the books currently available on perl assume their readers already understand the basics of writing and designing programs when in fact they do not the tutorial teaches programming right along with the particulars of perl syntax as well as good style and structure and maintainability of the code

the c programming language is one of the most widely offered courses in the undergraduate programmes all branches of btech bsc computer science and bca as well as various postgraduate programmes mca msc computer science and others apart from students the book will also be useful for aspirants of various competitive examinations and budding programmers the book deals with the fundamentals of computers algorithms and flowcharts error handling different data types variables operators input output operations decision statements looping unconditional statements functions arrays strings pointers dynamic memory management structure and union file and file handling and preprocessor directives

all of programming provides a platform for instructors to design courses which properly place their focus on the core fundamentals of programming or to let a motivated student learn these skills independently a student who masters the material in this book will not just be a competent c programmer but also a competent programmer we teach students how to solve programming problems with a 7 step approach centered on thinking about how to develop an algorithm we also teach students to deeply understand how the code works by teaching students how to execute the code by hand this is edition 1 the second edition as c programmers count from 0 it fixes a variety of formatting issues that arose from epub conversion most notably practice exercises are now available in flowing text mode

epi is your comprehensive guide to interviewing for software development roles the book begins with a summary of the nontechnical aspects of interviewing such as strategies for a great interview common mistakes perspectives from the other side of the table tips on negotiating the best offer and a guide to the best ways to use epi we also provide a summary of data structures algorithms and problem solving patterns coding problems are presented through a series of chapters on basic and advanced data structures searching sorting algorithm design principles and concurrency each chapter starts with a brief introduction a case study top tips and a review of the most important library methods this is followed by a broad and thought provoking set of problems

book designed for computer professional linguists psychologists mathematicians summarizes the research in field of human machine interaction

this conference was convened to explicate programming concepts through the development examination and comparison of various formal models of these concepts per the ifip working group 2.2 on formal description and programming concepts this collection of 26 papers represents the results of that charge while the conference itself was characterized by lively discussions and conversations involving all participants which served to clarify and crystallize critical issues the editor hopes some of that liveliness will be communicated to the reader

a comprehensive discussion of the components of programming languages which emphasises how a language is built it covers core concepts including specification objects expressions control and types with discussions of fundamentals implementations strategies and related semantic issues

we've been using python as our daily language at facebook and uber for quite some time now and have grown to appreciate its power versatility and aesthetics we wrote python code for epi python from the ground up and invested a great deal of effort to find the most efficient ways to solve interview problems in python we hope you enjoy reading this

book as much we we enjoyed writing it as always we look forward to hearing our readers thoughts and criticisms of our work feel free to drop us a line come by in person if you are in the bay area ice cream at the facebook sweet shop is always fun from the publisher

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