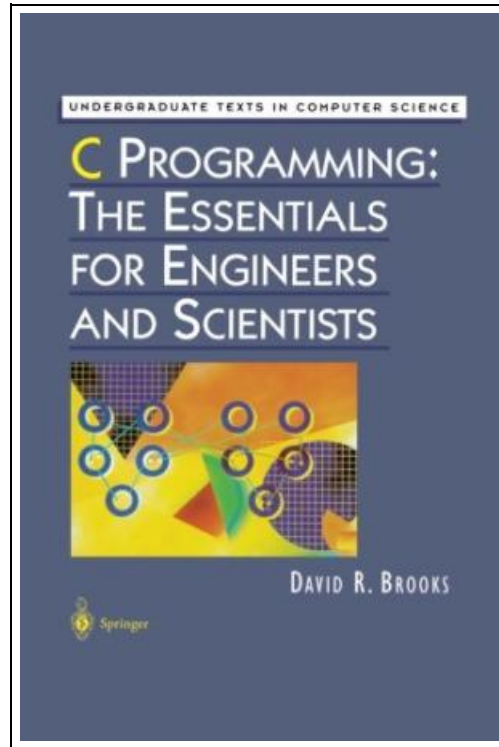


C Programming: The Essentials for Engineers and Scientists



Filesize: 7.47 MB

Reviews

Extremely helpful to all of group of individuals. It really is loaded with knowledge and wisdom Its been designed in an extremely basic way and is particularly simply after i finished reading through this ebook where actually altered me, affect the way i believe.
(Lily Ryan)

C PROGRAMMING: THE ESSENTIALS FOR ENGINEERS AND SCIENTISTS



To get **C Programming: The Essentials for Engineers and Scientists** eBook, you should follow the hyperlink listed below and download the ebook or get access to other information which are in conjunction with C PROGRAMMING: THE ESSENTIALS FOR ENGINEERS AND SCIENTISTS book.

Book Condition: New. Publisher/Verlag: Springer, Berlin | This text teaches the essentials of C programming, concentrating on what readers need to know in order to produce stand-alone programs and so solve typical scientific and engineering problems. It is a learning-by-doing book, with many examples and exercises, and lays a foundation of scientific programming concepts and techniques that will prove valuable for those who might eventually move on to another language. Written for undergraduates who are familiar with computers and typical applications but are new to programming. | '1 Programming Preliminaries.- 1.1 A Five-Step Problem-Solving Process.- 1.1.1 Step 1: Define the Problem.- 1.1.2 Step 2: Outline a Solution.- 1.1.3 Step 3: Design an Algorithm.- 1.1.4 Step 4: Convert the Algorithm Into a Program.- 1.1.5 Step 5: Verify the Operation of the Program.- 1.2 Defining a Pseudocode Language for Algorithm Development.- 1.3 Organizing Pseudocode Into a Program.- 1.4 Examples.- 1.5 What Is the Point of Programming?.- 1.6 Your First C Program.- 2 The Basics of C Programming.- 2.1 C Program Layout.- 2.2 Basic Input and Output.- 2.2.1 Keyboard Input and Monitor Output.- Reading and Displaying Numbers.- Reading and Displaying Characters and Strings of Characters.- Reading Values With Leading Zeros and Nonblank Separators.- 2.2.2 File I/O.- 2.2.3 I/O Redirection.- 2.3 Reading External Text Files of Unknown Length.- 2.4 Reading a File One Character at a Time.- 2.5 Applications.- 2.5.1 Maximum Deflection of a Beam Under Load.- 2.5.2 Relativistic Mass and Speed of an Electron.- 2.6 Debugging Your Programs.- 2.6.1 Compile-Time Errors.- 2.6.2 Run-Time Errors.- 2.7 Exercises.- 3 Data Types, Operators, and Functions.- 3.1 Specifying and Using Data Types.- 3.2 Operators.- 3.3 Type Casting.- 3.4 Intrinsic Functions.- 3.5 Simple User-Defined Functions.- 3.6 Applications.- 3.6.1 Refraction of Light.- 3.6.2 Inverse Hyperbolic Functions.- 3.7 Debugging Your Programs.- 3.7.1 Problems With Data Types and Casting.- 3.7.2 Problems...



[Read C Programming: The Essentials for Engineers and Scientists Online](#)



[Download PDF C Programming: The Essentials for Engineers and Scientists](#)

See Also



[PDF] Children s Handwriting Book of Alphabets and Numbers: Over 4,000 Tracing Units for the Beginning Writer

Access the web link below to get "Children s Handwriting Book of Alphabets and Numbers: Over 4,000 Tracing Units for the Beginning Writer" PDF file.

[Read eBook](#)

»



[PDF] Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers

Access the web link below to get "Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers" PDF file.

[Read eBook](#)

»



[PDF] Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Access the web link below to get "Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]" PDF file.

[Read eBook](#)

»



[PDF] Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]

Access the web link below to get "Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]" PDF file.

[Read eBook](#)

»



[PDF] Write Better Stories and Essays: Topics and Techniques to Improve Writing Skills for Students in Grades 6 - 8: Common Core State Standards Aligned

Access the web link below to get "Write Better Stories and Essays: Topics and Techniques to Improve Writing Skills for Students in Grades 6 - 8: Common Core State Standards Aligned" PDF file.

[Read eBook](#)

»



[PDF] Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success

Access the web link below to get "Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success" PDF file.

[Read eBook](#)

»