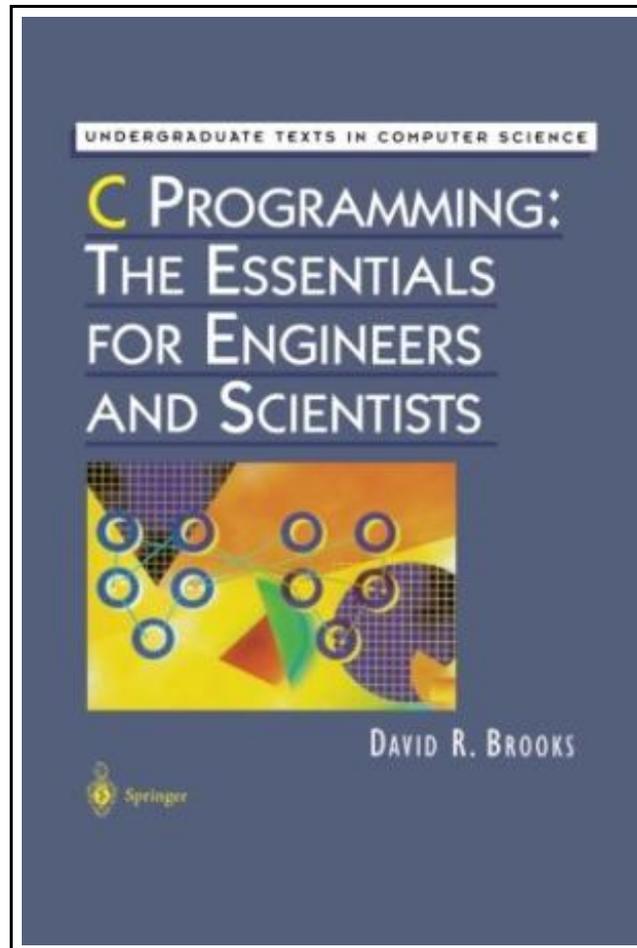# C Programming: The Essentials for Engineers and Scientists

Filesize: 7.92 MB

Reviews

This composed book is excellent. This really is for all who statte that there had not been a worth reading through. Your life period will probably be change as soon as you total looking over this ebook.
(Cheyanne Barrows)

C PROGRAMMING: THE ESSENTIALS FOR ENGINEERS AND SCIENTISTS

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...

Other eBooks

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

Createspace, United States, 2015. Paperback. Book Condition: New. 254 x 203 mm. Language: English . Brand New Book ***** Print on Demand *****.The Children s Handwriting Book of Alphabets and Numbers provides extensive focus on...

Save Document »

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

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download...

Save Document »

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]

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

Save Document »

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]

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

Save Document »

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

Createspace Independent Publishing Platform, United States, 2012. Paperback. Book Condition: New. 277 x 211 mm. Language: English . Brand New Book ***** Print on Demand *****.Mr. George Smith, a children s book author, has been...

Save Document »

TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the

Save ePub »

Splintered

Abrams. Paperback / softback. Book Condition: new. BRAND NEW, Splintered, A G Howard, This stunning debut captures the grotesque madness of a mystical under-land, as well as a girl s pangs of first love and

Save ePub »

Read Write Inc. Phonics: Orange Set 4 Storybook 2 I Think I Want to be a Bee

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 209 x 149 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read

Save ePub »

Oxford Reading Tree Read with Biff, Chip and Kipper: Phonics: Level 2: Win a Nut! (Hardback)

Oxford University Press, United Kingdom, 2014. Hardback. Book Condition: New. Mr. Alex Brychta (illustrator). 176 x 148 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK s best-selling

Save ePub »

The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3

Createspace, United States, 2012. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.After six years as a private investigator, Stacey Alexander has the strangest day

Save ePub »