

SECOND EDITION

C

Program Design for Engineers

Jeri R. Hanly & Elliot B. Koffman

C Program Design For Engineers

Jeri R. Hanly



C Program Design For Engineers:

C Program Design for Engineers Jeri R. Hanly, Elliot B. Koffman, 2001 This book presents introductory programming and software development concepts to engineers using a disciplined approach It provides numerous case studies and programming projects based on real world examples from a wide range of engineering areas making the material relevant to what engineers will encounter in their careers the authors introduce implementations of basic numerical and statistical methods commonly used by engineers Another feature is the addition of a chapter entitled On to C that prepares readers for a transition to object oriented programming The book focuses on many aspects of software engineering establishing early the connection between good problem solving skills and effective software development A five phase software development method is presented in Chapter 1 and applied in every subsequent case study throughout The book presents material in an order that meets the needs of a beginning programmer rather than by the structure of the C programming language This approach makes it possible to present fundamental concepts using traditional high level terminology output parameter array array subscript string and makes it easier for readers without a prior assembly language background to master the many facets of pointer usage This book is designed to introduce C programming to engineers in a way that is relevant to their engineering practice

C PROGRAM DESIGN FOR ENGINEERS Jeri R. Hanly, 1995

Understanding Program Design and Data Structures with C++ Kenneth Alfred Lambert, Thomas L. Naps, 1996 This text provides coverage of object oriented programming while introducing advanced programming and software engineering concepts and techniques along with basic data structures Problem solving is emphasized throughout the text through numerous exercises programming problems and projects It also includes module specifications structure charts Note of Interest boxes Focus on Program Design boxes and running debugging and testing tips This book corresponds to chapters 11 19 of Lambert Nance and Naps Introduction to Computer Science with C

Tool and Manufacturing Engineers Handbook: Design for Manufacturability Thomas J. Drozda, Charles Wick, Philip Mitchell, Ramon Bakerjian, John T. Benedict, Raymond F. Veilleux, 1983 Addresses important topics of DFM including how it relates to concurrent engineering management issues getting started in DFM how to justify using DFM applying quality tools and how DFM is affecting computer technology and vice versa Covers topics starting with the creative thinking process to combining DFM with geometric dimensioning and tolerancing Also includes product design information that designers should know when committing pen to paper or mouse to mat

Program Manager, 1981

Computerworld, 1990-05-28 For more than 40 years Computerworld has been the leading source of technology news and information for IT influencers worldwide Computerworld s award winning Web site Computerworld.com twice monthly publication focused conference series and custom research form the hub of the world s largest global IT media network

Introduction to Fortran 90/95 Stephen J. Chapman, 1998 Emphasizing a top down design methodology this introduction to Fortran 90 and Fortran 95 for engineering students teaches simultaneously the fundamentals of the Fortran

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