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code and practical projects to help you immediately apply what you've learned. You'll explore topics such as The structure of Unix and Linux operating systems and why it matters Using system calls to create and manage processes The mechanics of signals timers and interprocess communication Using synchronization tools to write multithreaded programs Interacting with filesystems devices and terminals Building text based user interfaces using ncurses Developing programs that are robust efficient and portable

At Hunter College Professor Weiss built the course this book is based on and he has helped thousands of students go from confusion to confidence in his over 40 years of teaching programming His clear conversational style technical depth and focus on real world application make this one of the most approachable and powerful system programming books available As Linux continues to dominate development server and embedded environments understanding the system behind your software isn't just helpful it's essential Whether you're a student developer or sysadmin this book gives you the tools to work directly with Linux and the insight to understand what's really happening under the hood

Introduction to Parallel Programming Steven Brawer, 2014-05-10 Introduction to Parallel Programming focuses on the techniques processes methodologies and approaches involved in parallel programming The book first offers information on Fortran hardware and operating system models and processes shared memory and simple parallel programs Discussions focus on processes and processors joining processes shared memory time sharing with multiple processors hardware loops passing arguments in function subroutine calls program structure and arithmetic expressions The text then elaborates on basic parallel programming techniques barriers and race conditions and nested loops The manuscript takes a look at overcoming data dependencies scheduling summary linear recurrence relations and performance tuning Topics include parallel programming and the structure of programs effect of the number of processes on overhead loop splitting indirect scheduling block scheduling and forward dependency and induction variable The publication is a valuable reference for researchers interested in parallel programming

14th International Symposium, 1993 802.11 Wireless Networks Alan Holt, Chi-Yu Huang, 2010-06-25 This unique and practical text introduces the principles of WLANs based upon the IEEE 802.11 standards demonstrating how to configure equipment in order to implement various network solutions The text is supported by examples and detailed instructions

UNIX System V Commands Baird Peterson, 1992 **UNIX Review**, 1988 **Dr. Dobb's Journal of Software Tools for the Professional Programmer**, 1987-07 **Computer Language**, 1988 **The NeXT Book** Bruce F. Webster, 1989 This is a complete technical reference and hands on introduction to the NeXT Computer System It explores every aspect and design feature of this landmark computer in a clear easy to understand style Computers General Information CoED., 1988 Bibliographic Guide to Computer Science, 1991 **Системное программирование в UNIX** Кейт Хэвиленд, Дайна Грэй, Бен Салама, 2022-01-29 UNIX UNIX Internet UNIX C UNIX Fourth International Conference on Software Engineering and Knowledge Engineering, 1992 **American Book Publishing Record Cumulative 1998** R R Bowker Publishing, 1999-03 **NASA Conference**

Publication ,1992 **Cumulated Index to the Books** ,1999 *Mastering the Standard C++ Classes* Cameron Hughes, Tracey Hughes, 1999-07-05

Finally in one book we have a complete and detailed explanation of the Standard C Class library. There have been books that discuss some features of the iostreams. There have been a few books that discuss various components of the Standard Template Library. But this book brings together in one place a complete tutorial and reference on the latest ANSI ISO standard for C class library. This book is an easy to understand introduction to the object oriented components that are now part of the C language. This book takes a component approach towards explaining the standard C objects and how to use them. In this book you will find simple but complete coverage of Object oriented Input and Output. Using the Iostream classes, String class, Container classes and STL Algorithm Building Blocks, Exception Classes and Error Handling, Objects, Language Support, Internationalization, Classes, Iterator Classes, Numerics and Math Classes, Object Oriented Memory Management, Components, Interfacing C objects with Java Objects. *Mastering The Essential C Classes* shows the programmer how to use these built in components to speed up and simplify software development efforts of all sizes. The authors demonstrate how these components can be easily added together to build whatever kind of software object that is needed. The authors describe each component from the logical view, architectural view and protocol view. This invaluable tutorial and reference shows how the standard C components fit together and how they can be combined with objects from other languages such as Java. Every example in this book is presented using the ANSI ISO standards for the C classes and can be used in the Unix, Linux, MVS, VM, VMS, OS/2, Windows and Macintosh environments. The complete source code contained in this book can be found on the enclosed CD ROM. The CD ROM also contains a complete reference to the standard C classes. Cameron Hughes is a software engineer at Ctest Laboratories and a staff programmer/analyst at Youngstown State University. He spends most of his time developing large scale C class libraries, inference engines and information analysis tools. Tracey Hughes is a senior programmer at Ctest laboratories specializing in pattern recognition, class libraries, discrete event simulation and image processing software. Tracey and Cameron are also the authors of *Object Oriented Multithreading Using C*, *Collection and Container Classes in C* and *Object Oriented I/O Using C Iostreams*, published by Wiley.

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