

The Practice of Programming

Brian W. Kernighan
Rob Pike



ADDISON-WESLEY PROFESSIONAL COMPUTING SERIES

The Practice Of Programming Addison Wesley
Professional Computing Series

Karin Nielsen-Saines



The Practice Of Programming Addison Wesley Professional Computing Series:

The Practice of Programming Brian W. Kernighan, Rob Pike, 1999-02-09 With the same insight and authority that made their book *The Unix Programming Environment* a classic Brian Kernighan and Rob Pike have written *The Practice of Programming* to help make individual programmers more effective and productive The practice of programming is more than just writing code Programmers must also assess tradeoffs choose among design alternatives debug and test improve performance and maintain software written by themselves and others At the same time they must be concerned with issues like compatibility robustness and reliability while meeting specifications *The Practice of Programming* covers all these topics and more This book is full of practical advice and real world examples in C C Java and a variety of special purpose languages It includes chapters on debugging finding bugs quickly and methodically testing guaranteeing that software works correctly and reliably performance making programs faster and more compact portability ensuring that programs run everywhere without change design balancing goals and constraints to decide which algorithms and data structures are best interfaces using abstraction and information hiding to control the interactions between components style writing code that works well and is a pleasure to read notation choosing languages and tools that let the machine do more of the work Kernighan and Pike have distilled years of experience writing programs teaching and working with other programmers to create this book Anyone who writes software will profit from the principles and guidance in *The Practice of Programming* Dr. Dobb's Journal, 1999 Designing Security Architecture Solutions Jay Ramachandran, 2002-10-01 The first guide to tackle security architecture at the software engineering level Computer security has become a critical business concern and as such the responsibility of all IT professionals In this groundbreaking book a security expert with AT T Business renowned Network Services organization explores system security architecture from a software engineering perspective He explains why strong security must be a guiding principle of the development process and identifies a common set of features found in most security products explaining how they can and should impact the development cycle The book also offers in depth discussions of security technologies cryptography database security application and operating system security and more Effective C++ Scott Meyers, 2005 The book is organized around 55 specific guidelines each of which describes a way to write better C Each is backed by concrete examples Cover *The C++ Report*, 1999 *Effective STL* Scott Meyers, 2001 C's Standard Template Library is revolutionary but learning to use it well has always been a challenge for students In *Effective STL* best selling author Scott Meyers *Effective C++* More *Effective C++* reveals the critical rules of thumb employed by the experts the things they almost always do or almost always avoid doing to get the most out of the library This book offers clear concise and concrete guidelines to C++ programmers While other books describe what's in the STL *Effective STL* shows the student how to use it Each of the book's 50 guidelines is backed by Meyers' legendary analysis and incisive examples so the student will learn not only what to do but also when to do it and why **Effective STL** Scott Meyers, 2001-06-06 This is *Effective C++*

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Passive Optical Remote Sensing of the Atmosphere and Clouds IV Si-Chee Tsay, Tatsuya Yokota, 2004 Proceedings of SPIE present the original research papers presented at SPIE conferences and other high quality conferences in the broad ranging fields of optics and photonics These books provide prompt access to the latest innovations in research and technology in their respective fields Proceedings of SPIE are among the most cited references in patent literature

American Book Publishing Record, 2006 **Dr. Dobb's Journal of Software Tools for the Professional Programmer**, 2001 **Generative Programming and Component Engineering**, 2003 **Software Development**, 1999 **UNIX Systems for Modern Architectures** Curt Schimmel, 1994 Any UNIX programmer using the latest workstations or super minicomputers from vendors such as Sun Silicon Graphics SGI ATandT Amdahl IBM Apple Compaq Mentor Graphics and Thinking Machines needs this book to optimize his/her job performance This book teaches how these architectures operate using clear comprehensible examples to explain the concepts and provides a good reference for people already familiar with the basic concepts **Quill & Quire**, 2001 **Subject Guide to Books in Print**, 1993 **Applied Computing**, 1994 *Guide to the Software Engineering Body of Knowledge* Alain Abran, James W. Moore, 2001 **PC/Computing**, 1991-10 **Computing with Biological Metaphors** Ray Paton, 1994 *The British National Bibliography* Arthur James Wells, 2003

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1. What is the festive occasion in Menelaus' palace when Telemachus arrives?
2. Who is the first to recognize Telemachus in Sparta?

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