Unix And Perl To The Rescue A Field Guide For The Life Sciences And Other Data Rich Pursuits

-Teaches the reader how to use Unix, which is the key to basic computing and allows the most flexibility for bioinformatics applications -Written specifically with the needs of molecular biologists in mind -Easy to follow, written for beginners with no computational knowledge -Includes examples from biological data analysis -Can be use either for self-teaching or in courses Learn the data skills necessary for turning large sequencing datasets into reproducible and robust biological findings. With this practical guide, you'll learn how to use freely available open source tools to extract meaning from large complex biological data sets. At no other point in human history has our ability to understand life's complexities been so dependent on our skills to work with and analyze data. This intermediate-level book teaches the general computational and data skills you need to analyze biological data. If you have experience with a scripting language like Python, you're ready to get started. Go from handling small problems with messy scripts to tackling large

problems with clever methods and tools Process bioinformatics data with powerful Unix pipelines and data tools Learn how to use exploratory data analysis techniques in the R language Use efficient methods to work with genomic range data and range operations Work with common genomics data file formats like FASTA, FASTQ, SAM, and BAM Manage your bioinformatics project with the Git version control system Tackle tedious data processing tasks with with Bash scripts and Makefiles

Computer security is an ongoing process, a relentless contest between system administrators and intruders. A good administrator needs to stay one step ahead of any adversaries, which often involves a continuing process of education. If you're grounded in the basics of security, however, you won't necessarily want a complete treatise on the subject each time you pick up a book. Sometimes you want to get straight to the point. That's exactly what the new Linux Security Cookbook does. Rather than provide a total security solution for Linux computers, the authors present a series of easy-to-follow recipes--short, focused pieces of code that administrators can use to improve security and perform common tasks securely.The Linux Security Cookbook includes real solutions to a

wide range of targeted problems, such as sending encrypted email within Emacs, restricting access to network services at particular times of day, firewalling a webserver, preventing IP spoofing, setting up key-based SSH authentication, and much more. With over 150 ready-to-use scripts and configuration files, this unique book helps administrators secure their systems without having to look up specific syntax. The book begins with recipes devised to establish a secure system, then moves on to secure day-to-day practices, and concludes with techniques to help your system stay secure.Some of the "recipes" you'll find in this book are: Controlling access to your system from firewalls down to individual services, using iptables, ipchains, xinetd, inetd, and more Monitoring your network with tcpdump, dsniff, netstat, and other tools Protecting network connections with Secure Shell (SSH) and stunnel Safeguarding email sessions with Secure Sockets Layer (SSL) Encrypting files and email messages with GnuPG Probing your own security with password crackers, nmap, and handy scripts This cookbook's proven techniques are derived from hard-won experience. Whether you're responsible for security on a home Linux system or for a large corporation, or somewhere in between, you'll

find valuable, to-the-point, practical recipes for dealing with everyday security issues. This book is a system saver.

With its highly developed capacity to detect patterns in data, Perl has become one of the most popular languages for biological data analysis. But if you're a biologist with little or no programming experience, starting out in Perl can be a challenge. Many biologists have a difficult time learning how to apply the language to bioinformatics. The most popular Perl programming books are often too theoretical and too focused on computer science for a non-programming biologist who needs to solve very specific problems.Beginning Perl for Bioinformatics is designed to get you quickly over the Perl language barrier by approaching programming as an important new laboratory skill, revealing Perl programs and techniques that are immediately useful in the lab. Each chapter focuses on solving a particular bioinformatics problem or class of problems, starting with the simplest and increasing in complexity as the book progresses. Each chapter includes programming exercises and teaches bioinformatics by showing and modifying programs that deal with various kinds of practical biological problems. By the end of the book you'll have a solid understanding of

Perl basics, a collection of programs for such tasks as parsing BLAST and GenBank, and the skills to take on more advanced bioinformatics programming. Some of the later chapters focus in greater detail on specific bioinformatics topics. This book is suitable for use as a classroom textbook, for self-study, and as a reference.The book covers: Programming basics and working with DNA sequences and strings Debugging your code Simulating gene mutations using random number generators Regular expressions and finding motifs in data Arrays, hashes, and relational databases Regular expressions and restriction maps Using Perl to parse PDB records, annotations in GenBank, and BLAST output

Perl

Cross-Platform Perl

Wicked Cool Perl Scripts

Transforming Programs with Programs

Perl in a Nutshell

Security Tools & Techniques

"Nicknamed 'the Llama' by two generations of users, this bestseller closely follows the popular introductory Perl course taught by the authors since 1991. This seventh edition covers recent changes to the language up to version 5.24. Perl is suitable for almost any task on almost any platform, from short fixes to complete web applications. Learning Perl teaches you the basics and shows you how to write programs up to 128 lines long--roughly the size of 90% of the Perl programs in use today.

Each chapter includes exercises to help you practice what you've just learned. Other books may teach you to program in Perl, but this book will turn you into a Perl programmer."--Provided by publisher.

Provides information on creating a variety of Perl utilities.

'Sams Teach Yourself Perl in 21 Days' covers the basics in the first few chapters, and then moves on to practical uses of Perl and in-depth discussions of more advanced topics. Perl is a popular programming language typically used in Unix systems.

Full of practical examples and updated for the latest version of Perl, version 5.6.0, this acclaimed introductory guide explains how to harness the power of Perl in heterogeneous UNIX-Windows-Linux environments, from automating applications and network functions to creating GUIs and interactive Web pages. The CD-ROM includes ActivePerl for Windows, the Perl source code, sample code and scrips, and useful Perl tools.

Essential Programs for Your Survival at Work, Book 2 in the Rosetta Stone Series for Computer Programmers and Script-writers

Perl One-Liners

Beginning Perl for Bioinformatics

Perl for Unix and Linux

Unix/Linux, Data Processing and Programming

UNIX and Perl to the Rescue!

If you ask Perl programmers today what book they relied on most when they were learning Perl, you'll find that an overwhelming majority will name Learning Perl--also known affectionately as "the Llama." The first edition of Learning Perl appeared in 1993 and has been a bestseller ever since. Written by two of the most prominent and active members of the Perl community, this book is the quintessential tutorial for the Perl

programming language.Perl began as a tool for Unix system administrators, used for countless small tasks throughout the workday. It has since blossomed into a full-featured programming language on practically every computing platform, and is used for web programming, database manipulation, XML processing, and (of course) system administration--all this while still remaining the perfect tool for the small daily tasks it was designed for. Perl is quick, fun, and eminently useful. Many people start using Perl because they need it, but they continue to use Perl because they love it.The third edition of Learning Perl has not only been updated for Perl 5.6, but has also been rewritten from the ground up to reflect the needs of programmers learning Perl today. Informed by their years of success at teaching Perl as consultants, the authors have re-engineered the book to better match the pace and scope appropriate for readers trying to get started with Perl, while retaining the detailed discussion, thorough examples, and eclectic wit for which the book is famous.This edition of the Llama includes an expanded and more gently-paced introduction to regular expressions, new exercises and solutions designed so readers can practice what they've learned while it's still fresh in their minds, and an overall reworking to bring Learning Perl into the new millennium.Perl is a language for getting your job done. Other books may teach you to

program in Perl, but this book will turn you into a Perl programmer.
Scripting has become an enormously popular method of managing and maintaining Windows NT and 2000 networks—as evidenced by the success of Windows NT Shell Scripting, which has sold over 30,000 copies in 2 years. Simpler than programming, yet allowing greater complexity and utility than packaged network management tools, scripting is now the tool of choice by many of you network administrators. Perl is yet another powerful element of the scripting arsenal, yet since it has been ported to the Windows environment, very little information has been published on how to employ this extremely effective tool. Win32 Perl is so powerful that it can accomplish virtually any task that you may want to perform. Dave Roth, prolific creator of Win32 extensions, is prepared to share his unique insight into how these tasks can be accomplished and provide scripts that can be immediately employed. This book illustrates how Perl can automate many current mundane administrative tasks. Shows how to write, debug, and run a Perl program, describes CGI scripting and data manipulation, and describes scalar values, basic operators, and associative arrays.
An interactive, self-paced approach to learning Perl 5 introduces a wide variety of programs and is accompanied by a CD-ROM containing Microsoft Internet Explorer, the latest Perl source code, and all binaries required to run Perl on a variety of

platforms. Original. (Intermediate).

Network Programming with Perl

For Unix and Linux People

Solutions & Examples for Perl Programmers

Linux Security Cookbook

Pro Perl Debugging

Automating System Administration with Perl

Part of the fun of programming in Perl lies in tackling tedious tasks with short, efficient, and reusable code. Often, the perfect tool is the one-liner, a small but powerful program that fits in one line of code and does one thing really well. In Perl One-Liners, author and impatient hacker Peteris Krumins takes you through more than 100 compelling one-liners that do all sorts of handy things, such as manipulate line spacing, tally column values in a table, and get a list of users on a system. This cookbook of useful, customizable, and fun scripts will even help hone your Perl coding skills, as Krumins dissects the code to give you a deeper understanding of the language. You'll find one-liners that: * Encode, decode, and convert strings * Generate random passwords * Calculate sums, factorials, and the mathematical constants ? and e * Add or remove spaces * Number lines in a file * Print lines that match a specific pattern * Check to see if a number is prime with a regular expression * Convert IP address to decimal form * Replace one string with another And many more! Save time and sharpen your coding skills as you learn to conquer those pesky tasks in a few precisely placed keystrokes with Perl One-Liners.

Covers advanced features of Perl, how the Perl interpreter works, and presents areas of modern computing technology such as networking, user interfaces, persistence, and code

generation.

Find a Perl programmer, and you'll find a copy of Perl Cookbook nearby. Perl Cookbook is a comprehensive collection of problems, solutions, and practical examples for anyone programming in Perl. The book contains hundreds of rigorously reviewed Perl "recipes" and thousands of examples ranging from brief one-liners to complete applications.The second edition of Perl Cookbook has been fully updated for Perl 5.8, with extensive changes for Unicode support, I/O layers, mod_perl, and new technologies that have emerged since the previous edition of the book. Recipes have been updated to include the latest modules. New recipes have been added to every chapter of the book, and some chapters have almost doubled in size.Covered topic areas include: Manipulating strings, numbers, dates, arrays, and hashes Pattern matching and text substitutions References, data structures, objects, and classes Signals and exceptions Screen addressing, menus, and graphical applications Managing other processes Writing secure scripts Client-server programming Internet applications programming with mail, news, ftp, and telnet CGI and mod_perl programming Web programming Since its first release in 1998, Perl Cookbook has earned its place in the libraries of serious Perl users of all levels of expertise by providing practical answers, code examples, and mini-tutorials addressing the challenges that programmers face. Now the second edition of this bestselling book is ready to earn its place among the ranks of favorite Perl books as well.Whether you're a novice or veteran Perl programmer, you'll find Perl Cookbook, 2nd Edition to be one of the most useful books on Perl available. Its comfortable discussion style and accurate attention to detail cover just about any topic you'd

want to know about. You can get by without having this book in your library, but once you've tried a few of the recipes, you won't want to.

The seeds of this book were sown many years ago, when I was building up my knowledgeof Perl, the greatest programming language I'd ever encountered (before or since).While reading a variety of books on the subject, I was surprised that the authors feltobliged to delve into so many of the different but equivalent choices for expressingevery basic operation in the language, as well as each of the syntactic variations forexpressing any one of those choices.As an example, I've shown here some of the available choices for expressing in Perlthe simple idea that B should be executed only if A is True (with those letters representingarbitrary program elements). Both forward and backward variations forexpressing the dependency are included.Part 1: Perl for UNIX and Linux usersPart 1 gives those with at least user-level Unix skills--which includes even the mostadvanced programmers--a gentle introduction to the core elements of Minimal Perl.After reading it, you'll be able to write custom programs to do the most common typesof data-processing tasks.You're assumed to be familiar with the most basic commands, file-managementtechniques, and command formats used on Unix systems. For example, you shouldknow how to view the contents of text files, how to change the current directory withoutgetting lost, and how to use the grep command to extract matching lines froma file.Readers with more extensive backgrounds in Shell programming can especiallybenefit from part 2.Part 2: Perl for UNIX and Linux Shell programmersPart 2 helps Shell programmers capitalize on their specialized knowledge to quicklyacquire Perl skills that go beyond those

learned in part 1. A basic understanding ofShell variables, I/O techniques, flow-control facilities, and other fundamental featuresof the Bourne, Korn, Bash, or POSIX shells is assumed.If you lack this more advanced knowledge, you may still benefit from this materialafter assimilating the lessons of part 1. But you should focus on the Perl syntax descriptions,rather than the Shell-to-Perl translation aids (which aren't designed for youruse). The same advice holds for programmers who specialize in the C shell, which isfundamentally different from the Shells emphasized in this book.We'll discuss the book's other resources next.
Perl for System Administration

Unix Power Tools
Reproducible and Robust Research with Open Source Tools
Bioinformatics Data Skills
A Desktop Quick Reference

UNIX and Perl to the Rescue!A Field Guide for the Life Sciences (and Other Data-rich Pursuits)Cambridge University Press

In its first five years of existence, The Perl Journal ran 247 articles by over 120 authors. Every serious Perl programmer subscribed to it, and every notable Perl guru jumped at the opportunity to write for it. TPJ explained critical topics such as regular expressions, databases, and object-oriented programming, and demonstrated Perl's utility for fields as diverse as astronomy, biology, economics, AI, and games. The magazine gave birth to both the Obfuscated

Perl Contest and the Perl Poetry contest, and remains a proud and timeless achievement of Perl during one of its most exciting periods of development.Computer Science and Perl Programming is the first volume of The Best of the Perl Journal, compiled and re-edited by the original editor and publisher of The Perl Journal, Jon Orwant. In this series, we've taken the very best (and still relevant) articles published in TPJ over its 5 years of publication and immortalized them into three volumes. This volume has 70 articles devoted to hard-core computer science, advanced programming techniques, and the underlying mechanics of Perl.Here's a sample of what you'll find inside: Jeffrey Friedl on Understanding Regexes Mark Jason Dominus on optimizing your Perl programs with Memoization Damian Conway on Parsing Tim Meadowcroft on integrating Perl with Microsoft Office Larry Wall on the culture of Perl Written by 41 of the most prominent and prolific members of the closely-knit Perl community, this anthology does what no other book can, giving unique insight into the real-life applications and powerful techniques made possible by Perl.Other books tell you how to use Perl, but this book goes far beyond that: it shows you not only how to use Perl, but what you could use Perl

for. This is more than just The Best of the Perl Journal -- in many ways, this is the best of Perl.

This book, for UNIX-LINUX computer users, provides the beginner AND the 'guru' with practical, real-world examples and Perl scripts that make tough jobs easy.With this book, you can ... - Make your boss happy right NOW!- Learn a new language.- Master an old language.- Write scripts that solve problems.- Provide Quality Assurance.- Be a master troubleshooter.- Analyze logs, verify data.- Make tough jobs easy!

An illustrated tutorial shows how to use Perl/Tk to build graphical, event-driven applications for both Windows and UNIX and teaches how to implement and configure each Perl/Tk graphical element. Original. (Intermediate).

Perl Best Practices

Sams Teach Yourself Perl in 21 Days

130 Programs That Get Things Done

A Field Guide for the Life Sciences (and Other Data-rich Pursuits)

Useful Perl Scripts that Solve Difficult Problems

Advanced Perl Programming

A text focusing on the methods and alternatives for designed TCP/IP-based client/server systems and advanced techniques for specialized applications with Perl. A guide examining a collection of the best

third party modules in the Comprehensive Perl Archive Network. Topics covered: Perl function libraries and techniques that allow programs to interact with resources over a network. IO: Socket library ; Net: FTP library -- Telnet library -- SMTP library ; Chat problems ; Internet Message Access Protocol (IMAP) issues ; Markup-language parsing ; Internet Protocol (IP) broadcasting and multicasting.

Working on the assumption that the reader has no formal training in programming, Perl Programming for Biologists demonstrates how Perl is used to solve biological problems. Each chapter opens with a set of learning objectives, provides numerous review questions and self-study exercises, and concludes with a bulleted summary of key points. The author incorporates numerous real-life examples throughout the text. Upon completing the book, readers are able to quickly perform such tasks as correcting recurring errors in spreadsheets, scanning a Fasta sequence for every occurrence of an EcoRI site, adapting other writers' scripts to one's own purposes, and most important, writing reusable and maintainable scripts that spare the rote repetition of code.

A revision of Quigley's popular introductory programming book, updated to reflect Perl's continuing evolution.

No-nonsense and practical, yet with wit and charm. A joy to read."" -Dan Sanderson, Software Developer, Amazon.com ""Shows style, not just facts-valuable."" -Brian Downs, former Training

Director, Lucent Technologies ""Brilliant, never tedious-highly recommended!"" -Jon Allen, Maintainer of perldoc.perl.org ""You could have chosen no better primer than this book."" -Damian Conway, from the Foreword Perl is a complex language that can be difficult to master. Perl advocates boast that ""There's More Than One Way To Do It,"" but do you really want to learn several ways of saying the same thing to a computer? To make Perl more accessible, Dr. Tim Maher has over the years designed and taught an essential subset of the language that is smaller, yet practical and powerful. With this engaging book you can now benefit from ""Minimal Perl,"" even if all you know about Unix is grep. You will learn how to write simple Perl commands-many just one-liners-that go far beyond the limitations of Unix utilities, and those of Linux, MacOS/X, etc. And you'll acquire the more advanced Perl skills used in scripts by capitalizing on your knowledge of related Shell resources. Sprinkled throughout are many Unix-specific Perl tips. This book is especially suitable for system administrators, webmasters, and software developers.

Mastering Perl/Tk

An Introduction to Perl for Biologists

Mastering Perl

Best of The Perl Journal

Computer Science & Perl Programming

Practical UNIX

If you do systems administration work of any kind, you

have to deal with the growing complexity of your environment and increasing demands on your time. Automating System Administration with Perl, Second Edition, not only offers you the right tools for your job, but also suggests the best way to approach specific problems and to securely automate recurring tasks. Updated and expanded to cover the latest operating systems, technologies, and Perl modules, this edition of the "Otter Book" will help you: Manage user accounts Monitor filesystems and processes Work with configuration files in important formats such as XML and YAML Administer databases, including MySQL, MS-SQL, and Oracle with DBI Work with directory services like LDAP and Active Directory Script email protocols and spam control Effectively create, handle, and analyze log files Administer network name and configuration services, including NIS, DNS and DHCP Maintain, monitor, and map network services, using technologies and tools such as SNMP, nmap, libpcap, GraphViz and RRDtool Improve filesystem, process, and network security This edition includes additional appendixes to get you up to speed on technologies such as XML/XPath, LDAP, SNMP, and SQL. With this book in hand and Perl in your toolbox, you can do more with less -- fewer resources, less effort, and far less hassle. Perl was originally written by Larry Wall while he was working at NASA's Jet Propulsion Labs. Larry is an Internet legend, known not just for Perl, but as the

author of the UNIX utilities rn, one of the original Usenet newsreaders, and patch, a tremendously useful tool that takes a list of differences between two files and allows you to turn one into the other. The term patch used for this activity is now widespread. Perl started life as a “glue” language for Larry and his officemates, allowing one to “stick” different tools together by converting between their various data formats. It pulled together the best features of several languages: the powerful regular expressions from sed (the Unix stream editor), the patte- scanning language awk, and a few other languages and utilities. The syntax was further made up out of C, Pascal, Basic, Unix shell languages, English, and maybe a few other elements along the way. While Perl started its life as glue, it is now more often likened to another handy multiuse tool: duct tape. A common statement heard in cyberspace is that Perl is the duct tape that holds the Internet together.

A guide to the operating system's practical applications covers listing, finding, displaying, printing, security, editing, Emacs, and writing Bourne Shell Scripts and Perl programs

Presents guidelines on the art of coding with Perl, covering such topics as naming conventions, data and control structures, program decomposition, interface design, and error handling.

Perl Programming for Biologists

The Administrator's Handbook

Creating Professional Programs with Perl
Computational Biology
Beginning Perl Programming
Core Perl

A guide for administrators running Unix, Windows NT, or Mac OS platforms demonstrates the use of the programming language in file system management, directory services, user administration, log files, and security and network monitoring

Most Perl programmers were originally trained as C and Unix programmers, so the Perl programs that they write bear a strong resemblance to C programs. However, Perl incorporates many features that have their roots in other languages such as Lisp. These advanced features are not well understood and are rarely used by most Perl programmers, but they are very powerful. They can automate tasks in everyday programming that are difficult to solve in any other way. One of the most powerful of these techniques is writing functions that manufacture or modify other functions. For example, instead of writing ten similar functions, a programmer can write a general pattern or framework that can then create the functions as needed according to the pattern. For several years Mark Jason Dominus has worked to apply functional programming techniques to Perl. Now Mark brings these flexible programming methods that he has successfully taught in numerous tutorials and training sessions to a wider audience. * Introduces powerful programming methods new to most Perl programmers that were previously the domain of computer scientists * Gradually builds up confidence by describing techniques of progressive sophistication * Shows how to improve everyday programs and includes numerous engaging code examples to illustrate the methods

Take the next step toward Perl mastery with advanced concepts that make coding easier, maintenance simpler, and execution faster. Mastering Perl isn't a collection of clever tricks, but a way

of thinking about Perl programming for solving debugging, configuration, and many other real-world problems you'll encounter as a working programmer. The third in O'Reilly's series of landmark Perl tutorials (after Learning Perl and Intermediate Perl), this fully upated edition pulls everything together and helps you bend Perl to your will. Explore advanced regular expressions features Avoid common problems when writing secure programs Profile and benchmark Perl programs to see where they need work Wrangle Perl code to make it more presentable and readable Understand how Perl keeps track of package variables Define subroutines on the fly Jury-rig modules to fix code without editing the original source Use bit operations and bit vectors to store large data efficiently Learn how to detect errors that Perl doesn't report Dive into logging, data persistence, and the magic of tied variables

By its very nature, Unix is a " power tools " environment. Even beginning Unix users quickly grasp that immense power exists in shell programming, aliases and history mechanisms, and various editing tools. Nonetheless, few users ever really master the power available to them with Unix. There is just too much to learn! Unix Power Tools, Third Edition, literally contains thousands of tips, scripts, and techniques that make using Unix easier, more effective, and even more fun. This book is organized into hundreds of short articles with plenty of references to other sections that keep you flipping from new article to new article. You'll find the book hard to put down as you uncover one interesting tip after another. With the growing popularity of Linux and the advent of Mac OS X, Unix has metamorphosed into something new and exciting. With Unix no longer perceived as a difficult operating system, more and more users are discovering its advantages for the first time. The latest edition of this best-selling favorite is loaded with advice about almost every aspect of Unix, covering all the new technologies that users need to know. In addition to vital information on Linux, Mac OS X, and BSD, Unix

Power Tools, Third Edition, now offers more coverage of bcash, zsh, and new shells, along with discussions about modern utilities and applications. Several sections focus on security and Internet access, and there is a new chapter on access to Unix from Windows, addressing the heterogeneous nature of systems today. You'll also find expanded coverage of software installation and packaging, as well as basic information on Perl and Python. The book's accompanying web site provides some of the best software available to Unix users, which you can download and add to your own set of power tools. Whether you are a newcomer or a Unix power user, you'll find yourself thumbing through the gold mine of information in this new edition of Unix Power Tools to add to your store of knowledge. Want to try something new? Check this book first, and you're sure to find a tip or trick that will prevent you from learning things the hard way.

Perl For Dummies

Learning Perl/Tk

Perl 5 Interactive Course

Learning Perl

Minimal Perl

Tools to Make You More Efficient

Covers basic and advanced applications of Perl/Tk, discussing topics including basic Perl/Tk widgets and geometry managers, how to use callbacks and bindings effectively, working with images, and developing a Tk widget in C.

In the days before personal computers, BASIC was the easyprogramming language to learn, and serious programmers learnedFORTRAN or COBOL to do “real work.” Today, many peoplehave discovered that Perl is both a great beginning

programminglanguage and one that enables them to write powerful programswith little effort. If you're interested in discovering how to program (or howothers program), Perl For Dummies, 4th Edition, is for you.If you already know something about programming (but not aboutPerl), this book is also for you. If you're already an expertprogrammer, you're still welcome to read this book; you canjust skip the basic stuff (you never know what kind of new tips andtricks you'll pick up). This reference guide shows you how to use Perl under manydifferent operating systems, such as UNIX, many flavors of Windows(Windows 95/98, Windows NT, Windows 2000, Windows Me, and WindowsXP), and Macintosh OS 9 and OS X; in fact, Perl runs on many moreoperating systems than these. Here's a sampling of what Perl For Dummies, 4th Edition,has to offer: Installing Perl on various platforms Nailing down the basics of building Perl programs Working with text and numbers Constructing lists and working with them Creating conditionals and loops Delving into more advanced features such as operators andfunctions Reading and writing files and directories Using subroutines for modularity Demystifying Web server programs Creating your own Internet

clients The Perl programming language enables you to write fully workingcomputer programs with just a few steps. It’s particularlygood at common programming tasks, such as reading and writing textfiles, but it also excels at reducing the work that programmershave to do. Perl For Dummies, 4th Edition, shows you how todo all of that and how to modify programs to your heart’scontent. After all, one of the common phrases in the world of Perlprogrammers is, “There's more than one way to doit.”

PLEASE PROVIDE COURSE INFORMATION PLEASE PROVIDE

This complete guide to the Perl programming language ranges widely through the Perl programmer's universe, gathering together in a convenient form a wealth of information about Perl itself and its application to CGI scripts, XML processing, network programming, database interaction, and graphical user interfaces. The book is an ideal reference for experienced Perl programmers and beginners alike.With more than a million dedicated programmers, Perl is proving to be the best language for the latest trends in computing and business, including network programming and the ability to create and manage web sites. It's a

language that every Unix system administrator and serious web developer needs to know. In the past few years, Perl has found its way into complex web applications of multinational banks, the U.S. Federal Reserve, and hundreds of large corporations.In this second edition, Perl in a Nutshell has been expanded to include coverage of Perl 5.8, with information on Unicode processing in Perl, new functions and modules that have been added to the core language, and up-to-date details on running Perl on the Win32 platform. The book also covers Perl modules for recent technologies such as XML and SOAP.Here are just some of the topics contained in this book: Basic Perl reference Quick reference to built-in functions and standard modules CGI.pm and mod_perl XML::* modules DBI, the database-independent API for Perl Sockets programming LWP, the library for Web programming in Perl Network programming with the Net modules Perl/Tk, the Tk extension to Perl for graphical interfaces Modules for interfacing with Win32 systems As part of the successful "in a Nutshell" book series from O'Reilly & Associates, Perl in a Nutshell is for readers who want a single reference for all their needs."In a nutshell, Perl is designed to make the

easy jobs easy, without making the hard jobs impossible."-- Larry Wall, creator of Perl

Certified Edition

Perl by Example

Perl Cookbook

The CGI/PERL Cookbook

Higher-Order Perl

From Novice to Professional

Your research has generated gigabytes of data and now you need to analyse it. You hate using spreadsheets but it is all you know, so what else can you do? This book will transform how you work with large and complex data sets, teaching you powerful programming tools for slicing and dicing data to suit your needs. Written in a fun and accessible style, this step-by-step guide will inspire and inform non-programmers about the essential aspects of Unix and Perl. It shows how, with just a little programming knowledge, you can write programs that could save you hours, or even days. No prior experience is required and new concepts are introduced using numerous code examples that you can try out for yourself. Going beyond the basics, the authors touch upon many broader topics that will help those new to programming, including debugging and how to write in a good programming style.

**Surpasses archaic debugging practices. *Introduces advanced debugger topics such as customization, optimization and extension. *Serves as a valuable resource for developing and deploying rock-solid Perl applications. *There is no direct competition for an advanced and comprehensive debugging book.*

Written by one of today's top-selling author's on programming languages, this practical, trailblazing guide to learning Perl offers all the advantages of a reference manual with a detailed, yet concise study on all of the language's key elements, and is not dependent upon either UNIX or Windows. Begins with a complete introduction to Perl: what it is, scripts vs. programs, its central characteristics, and more. Examines scalar types, expressions, and simple input and output; control statements; arrays; hashes and references; functions; pattern matching; files, input/output, and formats; CGI programming with Perl; and other advanced topics. Each chapter includes a summary and numerous exercises. For professionals in the computer science and related fields.

*Custom subroutine library for developing your own CGI programs * Line-by-line explanations of 20 of the most popular CGI*

*programs and subroutines that are essential to your Web site * Compatible with Perl 4 and 5 * Tested under WindowsR(r), UNIXR(r), and MacOSR(r) If you want to make your Web site as interactive as possible, as soon as possible, you've come to the right place! This book/CD powerhouse arms you with 20 of today's most-demanded CGI programs and subroutines, designed and written especially for this book, each ready to load and use. At the same time, it offers you a quick, painless, and unique hands-on way to learn basic and advanced CGI/Perl programming. The CGI/Perl Cookbook begins with a concise overview of CGI programming for beginners, followed by a guide to installing CGI programs on UNIX, PC, and MacOS Web servers. The rest of the book is devoted to line-by-line, feature-by-feature explanations of seven cutting-edge CGI programs; including a search engine, password protection, advanced form processing, a shopping cart, customized bulk e-mail, advanced visitor feedback, and more; as well as 13 subroutines for e-mail support, file encoding, credit card validation, e-mail address checking, error handling, and text encryption. You also get a usage guide, installation instructions, and professional CGI and*

*Perl programming tricks and customization tips for each program and subroutine. The CD-ROM is a gold mine of ready-to-use software and valuable information. You get: * All the CGI programs from the book-code and ready-to-run versions * The complete Matt's Script Archive * A collection of the best scripts from across the Web-source code included * The complete Perl programming manual * The most recent Windows, UNIX, and MacOS versions of Perl*

Win32 Perl Scripting

Graphical User Interfaces in Perl

Making Easy Things Easy and Hard Things Possible

A Little Book on Perl