

Shell Scripting made Easy!

Complete guide for understanding basic
shell scripting syntaxes

```
ubuntu@ip-172-31-47-91: ~/$  
#!/bin/bash  
  
# declare a associative array  
declare -A colours  
  
# add key value pairs  
colours['apple']=red  
colours['banana']=yellow  
colours['orange']=orange  
colours['guava']=green  
colours['cherry']=red  
  
echo "Size of dict: ${#colours[@]}"  
echo "Color of apple: ${colours['apple']}"  
echo "All dict keys: ${!colours[@]}"  
echo "All dict values: ${colours[@]}"  
  
# Delete cherry key  
unset colours['cherry']  
echo "New dict: ${colours[@]}"  
  
# Iterate over keys  
for key in ${!colours[@]}  
do  
    echo $key  
done
```

Unix Shell Programming

K Morrison



Unix Shell Programming:

Classic Shell Scripting Arnold Robbins, Nelson H. F. Beebe, 2005-05-16 An useful skill for Unix users and system administrators shell scripts let you easily crunch data and automate repetitive tasks offering a way to quickly harness the full power of any Unix system his book provides the tips tricks and organized knowledge needed to create excellent scripts as well as warnings of traps

Learning the Bash Shell Cameron Newham, Bill Rosenblatt, 2005-03-29 O Reilly s bestselling book on Linux s bash shell is at it again Now that Linux is an established player both as a server and on the desktop Learning the bash Shell has been updated and refreshed to account for all the latest changes Indeed this third edition serves as the most valuable guide yet to the bash shell As any good programmer knows the first thing users of the Linux operating system come face to face with is the shell the UNIX term for a user interface to the system In other words it s what lets you communicate with the computer via the keyboard and display Mastering the bash shell might sound fairly simple but it isn t In truth there are many complexities that need careful explanation which is just what Learning the bash Shell provides If you are new to shell programming the book provides an excellent introduction covering everything from the most basic to the most advanced features And if you ve been writing shell scripts for years it offers a great way to find out what the new shell offers Learning the bash Shell is also full of practical examples of shell commands and programs that will make everyday use of Linux that much easier With this book programmers will learn How to install bash as your login shell The basics of interactive shell use including UNIX file and directory structures standard I O and background jobs Command line editing history substitution and key bindings How to customize your shell environment without programming The nuts and bolts of basic shell programming flow control structures command line options and typed variables Process handling from job control to processes coroutines and subshells Debugging techniques such as trace and verbose modes Techniques for implementing system wide shell customization and features related to system security

[Unix & Shell Programming](#) Namrata Nagpal, 2009

UNIX Shell Programming Lowell Jay Arthur, 1986 Software Operating Systems

[Teach Yourself UNIX Shell Programming in 14 Days](#) Kamran Husain, 1994 Teach Yourself Shell Programming in 14 Days is a true beginning level guide to the Bourne Shell Everyone who works in UNIX uses one of its three shells This tutorial shows uses how to exploit the Bourne Shell to optimize their system increase productivity and work more efficiently

UNIX Shell Programming Stephen G. Kochan, Patrick H. Wood, 2003 Explains how to develop programs in the UNIX operating system discussing how to perform tasks including building debugging and understanding how shell scripts work

Shell Programming in Unix, Linux and OS X Stephen G. Kochan, Patrick Wood, 2016-08-30 Shell Programming in Unix Linux and OS X is a thoroughly updated revision of Kochan and Wood s classic Unix Shell Programming tutorial Following the methodology of the original text the book focuses on the POSIX standard shell and teaches you how to develop programs in this useful programming environment taking full advantage of the underlying power of Unix and Unix like operating systems After a quick review of Unix utilities

the book's authors take you step by step through the process of building shell scripts debugging them and understanding how they work within the shell's environment All major features of the shell are covered and the large number of practical examples make it easy for you to build shell scripts for your particular applications The book also describes the major features of the Korn and Bash shells Learn how to Take advantage of the many utilities provided in the Unix system Write powerful shell scripts Use the shell's built in decision making and looping constructs Use the shell's powerful quoting mechanisms Make the most of the shell's built in history and command editing capabilities Use regular expressions with Unix commands Take advantage of the special features of the Korn and Bash shells Identify the major differences between versions of the shell language Customize the way your Unix system responds to you Set up your shell environment Make use of functions Debug scripts Contents at a Glance 1 A Quick Review of the Basics 2 What Is the Shell 3 Tools of the Trade 4 And Away We Go 5 Can I Quote You on That 6 Passing Arguments 7 Decisions Decisions 8 Round and Round She Goes 9 Reading and Printing Data 10 Your Environment 11 More on Parameters 12 Loose Ends 13 Rolo Revisited 14 Interactive and Nonstandard Shell Features A Shell Summary B For More Information

Shell Scripting Tutorial Steve Parker,2014-05-17 A Bourne Shell Programming Scripting Tutorial for learning about using the Unix shell Learn Linux Unix shell scripting by example along with the theory We'll have you mastering Unix shell scripting in no time This thorough yet practical tutorial with examples throughout has been written with extensive feedback from literally hundreds of students and professionals in the field both with and without a Unix or Linux background From the author of the Wiley book Shell Scripting Expert Recipes for Bash Linux and more and of How to Build a LAMP Server this is his best read and most popular work to date

Linux and UNIX Shell Programming D. S. W. Tansley,2000 Learn how to create and develop shell scripts in a step by step manner increasing your knowledge as you progress through the book Learn how to work the shell commands so you can be more productive and save you time

[The UNIX Shell Programming Language](#) Rod Manis,Marc H. Meyer,1986-01-01

Linux Shells by Example Ellie Quigley,2000 CD ROM contains all source code and datafiles from the book

[Mastering Unix Shell Scripting](#) Randal K. Michael,2011-09-14 UNIX expert Randal K Michael guides you through every detail of writing shell scripts to automate specific tasks Each chapter begins with a typical everyday UNIX challenge then shows you how to take basic syntax and turn it into a shell scripting solution Covering Bash Bourne and Korn shell scripting this updated edition provides complete shell scripts plus detailed descriptions of each part UNIX programmers and system administrators can tailor these to build tools that monitor for specific system events and situations building solid UNIX shell scripting skills to solve real world system administration problems

Unix Shell Programming Arthur Lowell Jay,1998

UNIX Shell Programming Tools David Medinets,1999 Shell programming is the most important tool for unleashing the power of UNIX because the shell is the medium through which the user communicates with the operating system This comprehensive title offers hundreds of shell programming tips and techniques

Unix ,1995 **Command**

Line Kung Fu Jason Cannon,2014-04-17 Become a Linux Ninja with Command Line Kung Fu Do you think you have to lock yourself in a basement reading cryptic man pages for months on end in order to have ninja like command line skills In reality if you had someone share their most powerful command line tips tricks and patterns you d save yourself a lot of time and frustration What if you could look over the shoulder of a good friend that just happened to be a command line guru What if they not only showed you the commands they were using but why they were using them and exactly how they worked And what if that friend took the time to write all of it down so you can refer to it whenever you liked Well a friend did just that Command Line Kung Fu is packed with dozens of tips and over 100 practical real world examples You won t find theoretical examples in this book The examples demonstrate how to solve actual problems and accomplish worthwhile goals The tactics are easy to find too Each chapter covers a specific topic and groups related tips and examples together For example if you need help extracting text from a file look in the Text Processing and Manipulation chapter Also a comprehensive index is included If you want to find every example where a given command is used even if it s not the main subject of the tip look in the index It will list every single place in the book where that command appears Here is just some of what you will learn by reading Command Line Kung Fu How to quickly and easily repeat commands in your shell history Shortcuts for grabbing specific words from your shell history to use in your current command How to save a copy of your command line session for later reference How to strip out blank lines and comments from files How to control colored text when uses pipes and pagers Ways to transform text from changing case to substituting characters and more How to extract specific blocks of text from files or streams of input A quick tip to fix common typos How to edit files over the network How to compare the differences between files on your local computer and a remote one How to create and use SSH tunnels Ways to verify what programs are listening on what ports How to kill all the processes for a given user with a single command Strategies for dealing with multi hop SSH connections How to disconnect from a server in a way that will allow you to pick up where you left off How to automate software installs that require user input Shell scripting tips How to automatically keep repeating a command until it succeeds The right way to delete a file that is being written to How to surf the web from the command line and more importantly how to download anything from the web and interact with HTTP APIs Ways to determine who and what is using the most disk space How to secure your web browser session when using an open wifi hotspot How to generate random passwords from the command line Two tips for easily creating backups Tips for handling tar archives How to replace a string in multiple files at once with just one command and much more What you learn in Command Line Kung Fu applies to any Linux distribution including Ubuntu Debian Linux Mint RedHat Fedora OpenSUSE Slackware and more Scroll up click the Buy Now With 1 Click button to get your black belt in Linux Command Line Kung Fu **UNIX Shells by Example** Ellie Quigley,2002 Approximately 50 000 Canadians move to the U S every year Already there are hundreds of thousands of ex Canadians living south of the border The similarity in language currency culture services and products of these two countries

can lead Canadians in the U S to mistakenly think that its laws and customs are also the same It is these areas where The Canadian in America will be crucial to anyone either contemplating a move or already living in the U S Can a Canadian qualify for U S Medicare at age 65 Is a Canadian will valid in the

Shell Scripting Steve Parker,2011-08-17 A compendium of shell scripting recipes that can immediately be used adjusted and applied The shell is the primary way of communicating with the Unix and Linux systems providing a direct way to program by automating simple to intermediate tasks With this book Linux expert Steve Parker shares a collection of shell scripting recipes that can be used as is or easily modified for a variety of environments or situations The book covers shell programming with a focus on Linux and the Bash shell it provides credible real world relevance as well as providing the flexible tools to get started immediately Shares a collection of helpful shell scripting recipes that can immediately be used for various of real world challenges Features recipes for system tools shell features and systems administration Provides a host of plug and play recipes for to immediately apply and easily modify so the wheel doesn t have to be reinvented with each challenge faced Come out of your shell and dive into this collection of tried and tested shell scripting recipes that you can start using right away

Sams Teach Yourself Shell Programming in 24 Hours Sriranga Veeraraghavan,2002 Learn how to develop powerful and robust shell scripts in order to get the most out of your Unix Linux system

UNIX® Shells by Example Fourth Edition Ellie Quigley,2004 The world s 1 shell programming book now fully updated for Linux and more UNIX Shells by Example is the world s 1 shell programming book from the world s 1 shell programming instructor Ellie Quigley In UNIX Shells by Example Fourth Edition Quigley has thoroughly updated her classic and delivers the information today s shell programmers need most including comprehensive coverage of Linux shell programming with bash Drawing on 20 years experience as a shell programming instructor Quigley guides you through every facet of programming all leading UNIX Linux shells bourne bash korn C and tcsh Quigley illuminates each concept with up to date classroom tested code examples designed to help you jump start your own projects She also systematically introduces awk sed and grep for both UNIX and GNU Linux making this the only shell programming book you ll ever need New in this edition Comprehensive coverage of Linux shell programming with bash Shell Programming QuickStart makes first time shell programmers productive in just 15 pages Complete practical debugging chapter Updated coverage of the latest UNIX and GNU Linux versions of awk sed and grep Shell programming for sysadmins walks you through key UNIX and Linux system shell scripts Completely updated Shell programming fundamentals what shells are what they do how they work Choosing the right shell for any application Nearly 50 000 UNIX Linux sysadmins developers and power users have used previous editions of UNIX Shells by Example to become expert shell programmers With UNIX Shells by Example Fourth Edition you can too even if you re completely new to shell programming Then once you re an expert you ll turn to this book constantly as the best source for reliable answers solutions and code About the CD ROM Comprehensive shell programming code library all source code and data files for this book s hundreds of example programs

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