

\$! 5:13
 \$\$ and \$! 5:13
 .profile File 7:4
 /etc/bashrc 10:13
 /etc/profile 10:12
 /etc/profile File 7:5
 ~/.bash_login 10:15
 ~/.bash_logout 10:18
 ~/.bash_profile 10:14
 ~/.bashrc 10:17
 ~/.profile 10:16

A

Abbreviations for vi-mode Delete Commands 6:26-27
 Absolute Pathnames 1:52
 Alias 7:7
 Aliases 7:6, 10:30
 Alignment 9:60
 Anchor Characters 12:43
 AND and OR 11:43
 Appending to a Variable 8:14
 Arguments 3:28, 12:47
 Arguments - Testing the Number 10:40
 Arithmetic Conditionals 9:12
 Arithmetic Expressions 11:9
 Arithmetic for 9:33
 Arithmetic for - Example 9:34
 Arithmetic Operators 9:28-29
 Arithmetic Variables and Assignment 9:31
 Array Interpolation 12:32
 Array Name Operators 9:42
 Array Variables 12:27
 Arrays 9:35, 12:26
 Arrays as Queues 12:30
 Arrays as Stacks 12:29
 Assignment 9:31
 Assignment Operators 11:12-13
 Assignment with Operators 12:24
 Associated Scalar Variables for an Array 12:29
 Associated Scalars 12:28
 Associative Arrays 9:40-41
 Associative Arrays - Hashes 12:38
 Auto-Decrement 12:23
 Auto-Increment and Autodecrement Operators 11:11
 Auto-Increment 12:23
 awk - Example 11:18
 awk Built-in Variables 11:20-21
 awk Calculation - Example 11:19
 awk Features 11:4
 awk Patterns 11:41
 awk Program - Simple 11:6
 awk Program Structure 11:5
 awk Script - Execution 11:7
 awk Variations 11:3

B

Background I/O 6:14
 Background Jobs and Priorities 6:15
 Backup Script 10:27
 Banners 5:32
 Bash - Example 10:9
 Bash - What is 10:3
 Blocks 12:33
 Bourne Again Shell: Advantages 10:4, 10:5
 Bourne Shell 4:3
 Bourne Shell Programming 4:4
 break and continue 4:23
 break and continue Statements 10:55
 break Statements 9:23, 10:55
 Building Blocks 10:8
 Built-in 4:34-35
 Built-in Command - Overriding 9:5
 Built-in Help 6:7
 Built-in: exec 30-31

C

Calculating an Average - 1 10:52
 Calculating an Average - 2 10:53
 case 4:25-26
 case - Example #1 4:27
 case - Example #2 4:28
 case Statement 9:15
 case Statement - Example 9:16
 case Statements 10:44
 Catch a Signal: Built-in trap 4:32
 Changing Directories 1:57-58
 Changing Shell Configuration Files 10:19
 Characters Requiring Special Consideration 12:11
 Checking Files 10:36
 cmp Command 2:17
 cmp Command - Examples 2:18
 Code Indent 5:25
 Command Order of Precedence 8:7
 Command Search Path 7:10
 Command Separation and Grouping 3:32
 Command Separators 1:8
 Command Substitution 3:46, 8:20-21
 Command: What is it 1:4
 Command-line Editing 6:16
 Command-line Editing - Enabling 6:17-18
 Command-line Options and Arithmetic 9:24
 Commands - Complex 1:6
 Commands - Compound 1:7
 Commands - Examples 2:25
 Commands - Executing 3:22
 Commands - Simple 1:5
 Commands 2:24, 3:28, 11:17
 Comments 1:24, 3:9
 Common Errors 1:37

Comparison Operators.....	12:22
Conditional Expressions.....	11:14
Conditional Operators	11;15
Containment Tests	11:42
Context Considerations.....	12:41
Context: List versus Scalar	12:31
continue - Example	10:56
continue Statements	9:23
Control Operator	3:29-31
Control Structures	12:34
Copying Files to a Different Directory	1:39
cp Command - Copying Files.....	1:36
Creating and Running a Script	10:10
cut Command.....	2:4
cut Command - Examples.....	2:5
D	
Data Entry Exercise	4:13
Debugging Shell Scripts.....	4:16
Define a Function	8:6
Deletion Commands.....	6:25
Design Considerations.....	5:31
Device Files and I/O Redirection	3:39
diff Command.....	2:19-21
Directories	1:46, 6:8
Directories - Creating	1:62-63
Directories - Moving	1:70-71
Directories - Working.....	1:47
Displaying Options	10:31
do while/until Structures.....	12:36
Double-quoted Strings	12:9
Dynamic Variables	11:8
E	
Each	12:39
echo and read	4:29
Entering and Changing Text	6:24
Environment Control	3:43
Environment File	7:13
Environment Variables.....	3:42, 7:11,11:44-45
exec.....	10:48
Executing Commands	10:6
Expansion - Other	3:49
Explicit File Output	11:32
Export.....	7:12
Expression Assignments - Examples.....	9:32
Expression Wildcards.....	6:13
Expressions Used with if	10:33-35
Expressions, Statements, and Side-Effects.....	12:3
External Programs	5:15

F

file - Example 10:49

File - Viewing - Content 1:32

File Attribute Operators 9:8-11

file Command 2:3

File Descriptors 9:50

File Exists 5:18

File test Exercise 4:10

File Types 1:27

Filename and Variable Completion and Expansion 6:31

Filename Completion and Expansion 6:31

FILENAME Variable 11:28

Filenames 6;12, 1:48-49

Files 1:26

Files - Hidden 1:30

Files - Listing 1:29

Files and Directories - Copying 1:65-66

Files and Directories - Moving 1:68-69

find Command 2:8-10

find Command Examples 2:11

First Script 5:3-4

Flow Control Constructs 9:3

for 4:18

for - Example 4:24, 5:28

for loop 10:50

for Statement 9:13

for Statement - Example 9:14

for Structure 12:36

for... in 4:17

foreach Structure 12:37

Foreground and Background 9:67 - 68

Format Specifiers 11:30

Format Specifiers Used in printf 9:58 - 59

FS - Input Field Separator Variable 11:23-24

Functions 4:36-37, 5:16-17, 8:5

G

gawk's tolower and toupper 11:39

getopts Statements 9:26

grep 2:12

grep - Patterns Used for Searching 2:13

grep - Patterns Used for Searching - Examples 2:14

Grouping with ()s 12:43

Guidelines 12:14

H

Help - Getting 1:25

Hidden Files 1:30

hist Arguments 6:33

hist Command 6:32

History File 6:19

History File - Moving Around 6:30

Home Directories 1:55-56

I

I/O Redirection: Example 3:37-38

I/O Redirection: Purpose and Function 3:33

I/O Redirection: Special Characters 3:36

I/O Redirectors 9:48-49

if ... then 4:5

if Command 10:32

if Structure 5:30

if/else 4:12, 9:4

if/then/else Example 10:38-39

if/unless Structures 12:35

if...then...elif 4:15

if...then...else 4:14

IFS 5:14

Index Function 11:37

Indexed Arrays 9:36-38

Indexed Arrays - Examples 9:39

Initialization File Contents 1:20

Interactive Mode 1:38, 1:43, 1:45

Interactive Shell Use 6:6

Interpolation: ASCII Hex Values 12:11

Interpolation: ASCII Octal Values 12:10

join Command 2:22

K

Keys and Values 12:39

Korn Customization 7:3

Korn Input/Output 9:47

Korn Shell 6:4

L

Layout 5:35

Layout Rules 5:36-38

Length Function 11:36

Lesser Banners 5:33

List Literals 12:26

List Literals, using both () and the qw Operator 12:27

List Symbols 5:23

Listing Files 1:29, 1:61

Listing Files and Directories 1:59

Literals 12:39

Local Variables 3:42

Local versus Environment Variables 3:42

Logging In 1:15

login Starts - How 1:18

Looping through Parameters 5:12

Lotto Script 11:33-34

M

Manipulating Directories 1:60
 Manipulating Files 1:35
 Menu - Example 10:58
 Menu - Simple 5:27
 Menu Generation 10:57
 Multiple Directories - Copying 1:67
 Multiple Inputs 1:40
 mv Command - Renaming Files 1:41

N

Nested if Statements 10:42
 Newlines in Single-quoted Strings 12:7
 NF - Number of Fields Variable 11:25-26
 NR - Number of Records Variable 11:27
 Numbering Lines 1:33
 Numbers 12:12
 Numeric Variables and Arithmetic 9:27
 Numerical Operators 12:21

O

Objectives 7:2
 Operators 12:21
 Option Grouping 1:31
 Options to Print 9:56
 Output of Scalar Data 12:24

P

Parameters and Variables 3:11
 Parent Directories - Creating 1:64
 Parentheses 9:30
 Parsing the Command Line 3:23
 paste Command 2:6
 paste Command - Examples 2:7
 PATH - Setting 1:22
 Pathname Expansion 3:47-48
 Pathnames 1:50-51
 Pattern Matching 12:43
 Permission 8:4
 pg Command 2:23
 Pipe 5:20
 Pipes: Example #1 5:21
 Pipes: Example #2 5:22
 Positional Parameters 3:12-14, 8:9
 Positional Parameters - Changing 8:13
 Positional Parameters - Number 8:11
 Positional Parameters - Print 10:26
 Positional Parameters in Functions 8:12
 Positional Variables - Modifying 11:22
 Precision 9:61
 Print Escape Sequences 9:55
 print Function 12:8

printf 9:57
 Printf - Example 11:31
 printf - Formatting Output 11:29
 Printing Numeric Literals 12:13
 Process Handling 9:65
 Process IDs and Job Numbers 9:66
 Prompting for User Input - 1 10:46
 Prompting for User Input - 2 10:47
 Prompting Variables 7:9

Q

Quote Characters 3:27
 Quoting Characters 10:28

R

Read 10:48
 Read and exec 10:48
 Read Built-in Command 10:45
 read Command 9:62
 Reading Lines from Files 9:63
 Reading Lines from Files - Example 9:64
 Redirect 9:51
 Redirect to stderr 5:26
 Redirect: How it Works 3:34-35
 Redirects 5:24
 Regular Expression Basics 8:17-18
 Regular Expression Operator 8:19
 Regular Expression Shortcuts 12:45
 Regular Expressions 11:16, 12:42
 Relative Pathnames 1:53-54
 Returning Values 12:46
 rm Command - Removing Files 1:44

S

Scalar Datum 12:4
 Scalar Interpolation 12:15
 Scalar Operators 12:25
 Scalar Variables 12:14
 Scripting 1:13
 Select - Example 9:19
 select Statement 9:17-18
 Shell - How login Starts 1:18
 Shell Basics 1:3
 Shell Being Used 6:5
 Shell Built-in Commands 10:7
 Shell Expansion 10:29
 Shell Initialization 1:16
 Shell Initialization Files 10:11
 Shell Noninteractively - How to Start 1:19
 Shell Options (Basic) 7:8
 Shell Parameters 3:20
 Shell Programming 3:5
 Shell Prompt 1:10
 Shell Script - Creation 3:4

Shell Script - Invoking	3:6-8
Shell Script - Making Executable	1:23
Shell Scripts and Functions	8:3
Shell Variables	3:40-41
Shell: Definition	6:3
Shell: What is it	1:9
Shells.....	3:3
Shells - Interactive.....	1:17
Shells - Noninteractive Shells	1:17
Shells are Programs.....	3:21
Shells: Different Types	1:12
shift	9:25
Single-quoted Strings.....	12:6
Slice: New Array Creation Based upon a Subset of Elements from Another Array.....	12:29
Slices.....	12:40
sort Command.....	2:15
sort Command - Examples.....	2:16-17
Special Characters.....	3:24-26
Special Characters in Single-quoted Strings	12:6
Special Filenames.....	9:52-54
Special Parameters - Examples.....	3:16-19
Special Parameters	3:15, 10:25
Special Variable	8:10
Split Function	11:40
Startup Files	3:10
String - Example.....	9:7
String Comparisons	9:6, 10:37
String Formatting - Example	9:44
String Formatting Options	9:43
String Functions	11:35
String Operators.....	12:23, 8:15-16
Strings	12:5
Structure of a Perl Program	12:1
Subroutines	12:46
Subroutines: Defining.....	12:46
Substr Function	11:38
Suspending a Job	9:69
Symbolic Links to Directories.....	6:11
Symbols.....	5:34
System Scripts	38

T

Terminal Type - Setting 1:21

test Command 4:6

test Operator Exercise 4:8

Test Criteria 4:7, 4:11

test Criteria 4:9

Testing that a File Exists 10:41

Text - Changing 6:24

Text - Entering 6:24

Tilde Notation 6:10

trap 9:70

Trap - Example 4:33

trap - Example 9:71

Type and Attribute Options 9:45-46

U

Unary Arithmetic Operators 11:10

Undefined Variables 12:18

Uninitialized Variable 5:8

UNIX System 1:14

until 4:22

until loop 10:54

until Statements 9:20-21

Using the exit Statement and if 10:43

V

Variable - Appending 8:14

Variable \$0 5:10-11

Variable Completion and Expansion 6:31

Variable Substitution - Advanced 3:44

Variable Substitution Example 3:45

Variable: Setting 5:7

Variables 5:6, 10:20-21, 12:38

Variables - Creation 10:22

Variables - Exporting 10:24

Variables - Setting 10:23

Variables: Another Use 5:9

Verify 5:19

vi Control Mode Commands 6:22-23

vi Editing Mode 6:20

vi Input Mode: Editing Commands 6:21

vi-mode Cut and Paste Commands 6:28-29

vi-mode Delete Commands - Abbreviations 6:26-27

W

wc Command - Counting Words 1:34
whence 8:8
while 4:19
while - #2 4:20
while - #3 4:21
while - Example 9:22
while loop 10:51
While Loop 5:29
while Statements 9:20-21
while/until Structures 12:35
White Space 5:5
Width 9:60
Wildcards 6:12
Working Directory 6:9

