subshell	terminal
about 42	about 10
quoting, for preserving spacing and newline	printing 11
character 42	screenshots, taking from 347
subshell method 41	working 12
symbolic links	terminal session
about 120	recording, with script and scriptreplay 57
handling 120	terminal settings
target path, reading 121	collecting 31
working 121	manipulating 31
syslinux package	tests
downloading 129	performing 48, 49
syslog 297	text
syslogd	searching, in file with grep command
about 297	147-150
used, for logging info from shell script	slicing 181
297-299	text, between line numbers or patterns
system information	printing 175
obtaining 329, 330	time command
	parameters 287
T	used, for calculating command execution time
	285-287
tac command 176	working 287
tail command 132	TO_init function 206
Tape ARchives 218	top command 317
tar command	touch command
about 218	about 119
features 219	used, for generating blank files in bulk 119
stdin 220	traceroute command 253
stdout 220	translate 73
used, for creating archives 218	trap command 326
working 219	tr command
tar command, features	about 73
files and folders, extracting from archives 220	character classes 77
files, appending to archives 219	characters, deleting 75
files, comparing in archive and file system	character set, complementing 75
222	characters, squeezing 76
files, deleting from archive 222	translation, performing 74
file set, excluding from archiving 223	working 74
files, updating with timestamp check 221	tree command 139, 140
multiple tar files, concatenating 220	TTY filter, for ps command 320
tar archive, compressing 222	TTY(Tele Typewriter) 288
total bytes, printing 224	Twitter
version control directories, excluding 224	about 201
TCP/IP 243	used, for reading tweets on timeline 201-206
temporary file	TwitterOAuth.sh library 206
creating, mktemp command used 89	

U	used, for coutning words 138
	Web 184
UID value 17	Web backend
uniq command	used, for creating define utility 206-209
about 83, 87, 88	web page
working 85	accessing, with HTTP or FTP authentication
Unix time 32	187
until loop 47	downloading, as plain text 187
URLs	downloading, wget command used 184, 185
parsing, from text 177, 178	posting to 214, 215
usage() function 342	response, reading 214, 215
useradd command 342	Web photo album generator
user administration script 340-343	about 198
user agent string	working 200, 201
setting, with cURL 190	website
user, file permissions 114	broken links, identifying 209-211
user logins	changes, tracking 211, 213
monitoring, for intruder detection 299-303	data, parsing from 194
usermod command 343	WEP (Wired Equivalent Privacy) 265
user terminals	wget command
messages, sending to 327-329	about 184
•	download, resuming 186
V	download speed, restricting 185
var 14	used, for downloading web page 184
	website, copying 186
variables about 13	whatis command 323
	whereis command 323
bash prompt string, modifying 17	which command 322, 323
environment variables 13	while loop 47, 197
length, finding 16	Wi-Fi Protected Access2 (WPA2) 267
shell variable, identifying 16	wireless network connection
super user, checking 17	performing 265, 266, 267
working with 13-15	word count 138
version control based backup	words, files
Git used 237-240	about 168
VA/	counting, wc command used 138
W	
wall command 327	X
watch command	vende comment
differences, highlighting 294	xargs command
used, for monitoring command output 293	about 68
wc command	C program files, counting 72
used, for coutning characters 138	formatted arguments, passing 70
used, for coutning lines 138	
·	