

Table of Contents

Preface	1
Chapter 1: Shell Something Out	7
Introduction	8
Printing in the terminal	10
Playing with variables and environment variables	13
Function to prepend to environment variables	17
Math with the shell	19
Playing with file descriptors and redirection	21
Arrays and associative arrays	27
Visiting aliases	29
Grabbing information about the terminal	31
Getting and setting dates and delays	32
Debugging the script	36
Functions and arguments	37
Reading the output of a sequence of commands	40
Reading n characters without pressing the return key	43
Running a command until it succeeds	44
Field separators and iterators	45
Comparisons and tests	48
Chapter 2: Have a Good Command	53
Introduction	53
Concatenating with cat	54
Recording and playing back of terminal sessions	57
Finding files and file listing	58
Playing with xargs	68
Translating with tr	73
Checksum and verification	77
Cryptographic tools and hashes	80