**Chapter 5 – manpages**

* man
* man .configfile
* man $daemon
* man -k (apropos)
* whatis
* whereis
* man sections
* man section file
* mandb
* searching the man pages
* move between occurrences
* extra shortcuts

**Chapter 7 – Working with files**

* file
* touch
* touch -t
* rm
* rm -i
* rm .\*
* rm -r
* cp
* mv
* mv -i
* rename

**Chapter 10 – commands and arguments**

* echo and quotes
* type
* which
* alias
* unalias

**Chapter 11 – Control operators**

* ;
* &
* $?
* &&
* ||
* && and ||
* #
* \
* End of line backslash

**Chapter 6 – Working with directories**

* pwd
* cd
* cd~
* cd ..
* cd –
* ls
* tree
* mkdir
* mkdir -p
* rmdir
* rmdir -p

**Chapter 8 – Working with file contents**

* head
* tail
* cat
* tac
* more or less
* strings

**Chapter 9 – The Linux file tree**

* man hier
* /boot
* /bin
* /sbin
* /etc
* /etc/sysconfig
* /home
* /root
* /srv
* /lib
* /media
* /opt
* /tmp
* /dev
* /dev/null
* /proc
* /sys
* /usr
* /var/www
* /var/log
* /var/log/syslog
* /var/log/messages

**Chapter 12 – Shell variables**

* $
* Creating variables
* Quotes
* set
* unset
* $PS1
* $PATH
* env
* export
* delineate variables
* unbound variables

**Chapter 15 – File Globbing**

* \*
* ?
* []
* a-z and 0-9 ranges
* shell option globasciiranges and []
* $LANG and []

**Chapter 17 – Filters**

* cat |
* tee
* grep
* grep -i
* grep -v
* grep -vi
* grep -A1
* grep -B1
* grep -C1
* cut
* tr
* tr -s
* tr rot13
* wc
* sort
* sort -k1 or sort -n
* uniq
* uniq -c
* comm
* sed
* who | wc
* who | cut -d ‘ ‘ -f1 | sort | uniq
* grep | cut

**Chapter 13 – Shell embedding and options**

* Shell embedding
* Backticks `
* Backticks or single quotes

**Chapter 14 – Shell history**

* !!
* !
* history
* !n
* ctrl -r
* $HISTSIZE
* $HISTFILESIZE
* Prevent recording a command
* Regular expressions

**Chapter 16 – I/O redirection**

* Stdin/stdout/stderr
* > stdout
* >> append
* 2>stderr
* 2>&1
* Output redirection and pipelines
* Joining stdout and sterr
* < stdin
* << here document
* <<< here string

**Chapter 18 – Basic Unix tools**

* find
* locate
* date
* cal
* sleep
* time
* gzip – gunzip
* zcat -zmore
* bzip2 – bunzip2
* bzcat – bzmore
* tar
* tarball

**Chapter 19 – Regular Expressions**

* regex versions
* grep
* concatenating characters
* one or the other
* zero, one or more
* a dot
* match the end of a string
* separating words
* preventing shell expansion of a regex
* rename
* perl
* a global replace
* case insensitive replace
* renaming extensions
* sed
* interactive editor
* simple back referencing
* back referencing
* multiple back referencing
* white space
* optional occurrence
* exactly *n* times
* between *n* and *m* times
* bash history

**Chapter 22 – Groups**

* Groupadd
* Group file
* groups
* usermod
* usermod to specify primary group
* gpasswd
* groupmod
* groupdel
* gpasswd (delegate group membership)
* newgrp
* vigr

**Chapter 21 – Users**

* whoami/who
* w
* id
* su
* su to root
* su –
* run program as another user
* visudo
* sudo su –
* user management
* etc/passwd
* root
* useradd
* /etc/default/useradd
* Userdel
* Usermod
* Creating home directories
* /etc/skel
* Deleting home directories
* Login shell
* chsh
* passwd
* shadow file
* encryption with passwd
* etc/login.defs
* chage
* disabling a passwd
* editing local files
* system profile
* ~/.bash\_profile
* ~/.bash\_login
* ~/.profile
* ~/.bashrc
* ~/.bash\_logout

**Chapter 23 – Standard file permissions**

* file ownership
* listing user accounts
* chgrp
* chown
* list of special files
* permissions
* three sets of rwx
* setting permissions
* setting octal permissions
* unmask
* mkdir -m
* cp -p