

Terminal: internal commands ( <i>help &lt;cmd&gt;</i> )	
<b>bg</b>	Move jobs to the background.
<b>break</b>	Exit for, while, or until loops.
<b>case</b>	Execute commands based on pattern matching.
<b>cd</b>	Change the shell working directory.
<b>continue</b>	Resume for, while, or until loops.
<b>eval</b>	Execute arguments as a shell command.
<b>exit</b>	Exit the shell.
<b>export</b>	Set export attribute for shell variables.
<b>fg</b>	Move job to the foreground.
<b>for</b>	Execute commands for each member in a list.
<b>function</b>	Define shell function.
<b>help</b>	Display information about builtin commands.
<b>if</b>	Execute commands based on conditional.
<b>jobs</b>	Display status of jobs.
<b>let</b>	Evaluate arithmetic expressions.
<b>read</b>	Read a line from the standard input and split it into fields.
<b>readonly</b>	Mark shell variables as unchangeable.
<b>set</b>	Set or unset values of shell options and positional parameters.
<b>shift</b>	Shift positional parameters.
<b>source</b>	Execute commands from a file in the current shell.
<b>test</b>	Evaluate conditional expression.
<b>unset</b>	Unset values and attributes of shell variables and functions.
<b>until</b>	Execute commands as long as a test does not succeed.
<b>wait</b>	Wait for job completion and return exit status.
<b>while</b>	Execute commands as long as a test succeeds.

Concepts and collections of APIs		
Name	Man page	Summary
<b>group</b>	5	usr group file
<b>hostname</b>	5	Local hostname configuration file
<b>passwd</b>	5	the password file
<b>stderr</b>	3	standard I/O streams
<b>stdin</b>	3	standard I/O streams
<b>stdio</b>	3	stdio - standard input/output library functions
<b>stdout</b>	3	standard I/O streams
<b>string</b>	3	string operations (strcpy, strcat, strchr, ...)
<b>syscalls</b>	2	Linux system calls.

Terminal: external commands ( <i>man &lt;page&gt; &lt;cmd&gt;</i> )		
Name	Man page	Summary
bash	1	GNU Bourne-Again SHell
bc	1	An arbitrary precision calculator language
cat	1	concatenate files and print on the standard output
chgrp	1	change group ownership
chmod	1	change file mode bits
chown	1	change file owner and group
cmp	1	compare two files byte by byte
cp	1	copy files and directories
comm	1	compare two sorted files line by line
cut	1	remove sections from each line of files
echo	1	display a line of text
expr	1	evaluate expressions
find	1	search for files in a directory hierarchy
finger	1	user information lookup program
flock	1	manage locks from shell scripts
g++	1	GNU project C and C++ compiler
gcc	1	GNU project C and C++ compiler
grep	1	print lines that match patterns
groups	1	print the groups a user is in
head	1	output the first part of files
hostname	1	show or set the system's host name
id	1	print real and effective user and group IDs
kill	1	send a signal to a process
last	1	show a listing of last logged in users
ls	1	list directory contents
man	1	an interface to the system reference manuals
md5sum	1	compute and check MD5 message digest
mkdir	1	make directories
mv	1	move (rename) files
open	1	opens a file or URL in the user's preferred application
passwd	1	change user password
printf	1	format and print data
ps	1	report a snapshot of the current processes.
pstree	1	display a tree of processes
rev	1	reverse lines characterwise
rmdir	1	remove empty directories
seq	1	print a sequence of numbers
sha1sum	1	compute and check SHA1 message digest
sha256sum	1	compute and check SHA256 message digest
sleep	1	delay for a specified amount of time
sort	1	sort lines of text files
stat	1	display file or file system status
sum	1	checksum and count the blocks in a file
tail	1	output the last part of files
tar	1	an archiving utility
top	1	display Linux processes
touch	1	change file timestamps
tr	1	translate or delete characters
truncate	1	shrink or extend the size of a file to the specified size
uniq	1	report or omit repeated lines
unlink	1	call the unlink function to remove the specified file
unzip	1	list test and extract compressed files in a ZIP archive
users	1	print the user names of users currently logged in to the current host
w	1	Show who is logged on and what they are doing.
wc	1	print newline word and byte counts for each file
who	1	show who is logged on
whoami	1	print effective userid
zip	1	package and compress (archive) files

C programs: POSIX system calls ( <i>man &lt;page&gt; &lt;cmd&gt;</i> )		
Name	Man page	Summary
access	2	check user's permissions for a file
chdir	2	change working directory
chmod	2	change permissions of a file
chown	2	change ownership of a file
close	2	close a file descriptor
closedir	3	close a directory
creat	2	open and possibly create a file
errno	3	number of last error
exit	2	terminate the calling process
exit	3	cause normal process termination
fchmod	2	change permissions of a file
fchown	2	change ownership of a file
fcntl	2	manipulate file descriptor
flock	2	apply or remove an advisory lock on an open file
fstat	2	get file status
ftruncate	2	truncate a file to a specified length
getcwd	2	get current working directory
getcwd	3	get current working directory
kill	2	send signal to a process
lchown	2	change ownership of a file
link	2	make a new name for a file
lseek	2	reposition read/write file offset
lstat	2	get file status
mkdir	2	create a directory
open	2	open and possibly create a file
opendir	3	open a directory
printf	3	formatted output conversion
read	2	read from a file descriptor
readdir	2	read directory entry
readdir	3	read a directory
rename	2	change the name or location of a file
rewinddir	3	reset directory stream
rmdir	2	delete a directory
scandir	3	scan a directory for matching entries
seekdir	3	set the position of the next readdir() call in the directory stream.
sleep	3	sleep for a specified number of seconds
stat	2	get file status
symlink	2	make a new name for a file
telldir	3	return current location in directory stream
truncate	2	truncate a file to a specified length
unlink	2	delete a name and possibly the file it refers to
write	2	write to a file descriptor

C programs: STDIO (standard input/output) library functions ( <i>man &lt;page&gt; &lt;cmd&gt;</i> )		
Name	Man page	Summary
<b>fclose</b>	3	close a stream
<b>fdopen</b>	3	stream open functions
<b>feof</b>	3	check and reset stream status
<b>ferror</b>	3	check and reset stream status
<b>fflush</b>	3	flush a stream
<b>fgetc</b>	3	get next character or word from input stream
<b>fgetpos</b>	3	reposition a stream
<b>fgets</b>	3	get a line from a stream
<b>fileno</b>	3	return the integer descriptor of the argument stream
<b>fopen</b>	3	stream open functions
<b>fprintf</b>	3	formatted output conversion
<b>fpurge</b>	3	flush a stream
<b>fputc</b>	3	output a character or word to a stream
<b>fputs</b>	3	output a line to a stream
<b>fread</b>	3	binary stream input/output
<b>freopen</b>	3	stream open functions
<b>fscanf</b>	3	input format conversion
<b>fseek</b>	3	reposition a stream
<b>fsetpos</b>	3	reposition a stream
<b>ftell</b>	3	reposition a stream
<b>fwrite</b>	3	binary stream input/output
<b>getc</b>	3	get next character or word from input stream
<b>getchar</b>	3	get next character or word from input stream
<b>gets</b>	3	get a line from a stream
<b>mktemp</b>	3	make temporary filename (unique)
<b>perror</b>	3	system error messages
<b>printf</b>	3	formatted output conversion
<b>putc</b>	3	output a character or word to a stream
<b>putchar</b>	3	output a character or word to a stream
<b>puts</b>	3	output a line to a stream
<b>remove</b>	3	remove directory entry
<b>rewind</b>	3	reposition a stream
<b>scanf</b>	3	input format conversion
<b>sprintf</b>	3	formatted output conversion
<b>sscanf</b>	3	input format conversion
<b>ungetc</b>	3	un-get character from input stream