

2. Print-related commands	lpr [<i>-Pprintername</i>] <i>filename</i>	print [printername] <i>filename</i>	Print or alter environment variables hostname env
	lpq [<i>-Pprintername</i>]	print [printername] <i>jobnum</i>	remove printing job number <i>jubnum</i> from lpq [<i>-Pprintername</i>] <i>jobnum</i>
	lpstat	display printername. lpstat	check printer status (HP-UX, Solaris 2.x) lpstat
	ps	display host name env	display environment variables hostname env
3. Miscellaneous commands	top	display on-line manual on topic. man <i>topic</i>	create multiple screen with one physical screen. screen
	show (<i>continuously</i>) <i>what process(es)</i> is run-	extract files from <i>filename.zip</i> . The reverse of unzip <i>filename.zip</i>	create multiple screen with one physical screen. screen
	ps	list processes top	create multiple screen with one physical screen. screen
	nice <i>programname</i>	run program programme with lower priority nice	create multiple screen with one physical screen. screen
	KILL -HUP 555	run program programme with higher priority nice	create multiple screen with one physical screen. screen
	KILL SIGNUM PID	Send signal SIGNUM to process ID PID, or kill (<i>termiate</i>) process with process ID num-	create multiple screen with one physical screen. screen
	ps	check processes. The options for this command depends on the version and variation of your UNIX. Check your local documentation.	create multiple screen with one physical screen. screen
	top	show (continuously) what process(es) is run-	create multiple screen with one physical screen. screen
	unzip <i>filename.zip</i>	extract files from <i>filename.zip</i> . The reverse of zip <i>filename files</i>	create multiple screen with one physical screen. screen
	zip <i>filename files</i>	create an archive file (and compress it) called <i>filename.zip</i> which contains files. zip	create multiple screen with one physical screen. screen
	MTOOLS	There is a set of commands to access MS-DOS disks on systems equipped with floppy disk. Most DOS file commands are available (prefixed with <i>m:</i>).	create multiple screen with one physical screen. screen
	cp <i>copy</i> <i>file1</i> <i>file2</i>	copy <i>file1</i> to <i>file2</i> .	create multiple screen with one physical screen. screen
	mv <i>move</i> <i>file1</i> <i>file2</i>	move <i>file1</i> to <i>file2</i> .	create multiple screen with one physical screen. screen
	rm <i>remove</i> <i>file1</i> <i>file2</i>	remove <i>file1</i> and <i>file2</i> .	create multiple screen with one physical screen. screen
	grep <i>pattern</i> <i>file1</i> <i>file2</i>	search <i>file1</i> and <i>file2</i> for <i>pattern</i> .	create multiple screen with one physical screen. screen
	find <i>path</i> <i>expression</i>	find <i>path</i> for files matching <i>expression</i> .	create multiple screen with one physical screen. screen
	tar <i>cvf</i> <i>filename.tar</i> <i>dirname</i>	To combine all files under <i>dirname</i> into file- <i>name.tar</i> :	create multiple screen with one physical screen. screen
	tar <i>xvf</i> <i>filename.tar</i>	combine files into one tar file, or extract files from a tar file. A tar file could be a device (magnetic tape as /dev/rst0) or a plain file. To extract file name.tar	create multiple screen with one physical screen. screen
	tar <i>cvt</i> <i>filename.tar</i> <i>dirname</i>	combine files into one tar file, or extract files from a tar file. A tar file could be a device (magnetic tape as /dev/rst0) or a plain file. To extract file name.tar	create multiple screen with one physical screen. screen
	tar	show the location of commandname which commandname	create multiple screen with one physical screen. screen
	who	who is on-line on this machine who	create multiple screen with one physical screen. screen
	finger <i>username</i>	query printer queue of the default printer. If printername is given, will query printer printer- name.	create multiple screen with one physical screen. screen
	lp	print filename to the default printer lp	create multiple screen with one physical screen. screen
	lpq [<i>-Pprintername</i>]	print filename to the default printer printer. lpq [<i>-Pprintername</i>]	create multiple screen with one physical screen. screen
	lpstat	display printername. lpstat	create multiple screen with one physical screen. screen
	ps	display host name env	create multiple screen with one physical screen. screen
	top	display on-line manual on topic. man <i>topic</i>	create multiple screen with one physical screen. screen
	unzip <i>filename.gz</i>	expand filename.gz into its original form (size) is added).	create multiple screen with one physical screen. screen
	gzip <i>filename</i>	compress filename with GNU zip (gzip) and add zip.	create multiple screen with one physical screen. screen
	gzipped <i>filename</i>	check who is doing what users	create multiple screen with one physical screen. screen

6. Text editors	
emacs [filename]	a vi clone
elvis [filename]	a simple X window text editor
axe [filename]	a simple X window text editor
asWedit [filename]	HTML editor
biff	notify new mail has arrived
elm	read and/or compose e-mail.
exmh	X windows mail reader based on MH, see below
fastmail	quick batch mail (part of Elm)
from	list senders of mails in your mailbox
nn	similar to from but has a better output. If foldername is present, it will list senders in box. This program instead your incoming mail folder. If userid is given in the command line, it will be used in compose mode. After done, mail will be sent to userid
mail [userid]	read mail. If userid is given in the command line, it will be used in compose mode. After done, mail will be sent to userid
mailtool	OpenWindows mail program
mh	mail user shell. Similar to
mailx	mail , but has a better user interface.
ftp hostname	Using the ftp program to perform FTP to/from host hostname.
batch FTP	hosted by ftptool
ftptool	X-window (view) based FTP program
kermit -sfilename	send or receive files with kermit protocol.
imc	incorporate mail into inbox folder.
xemacs [filename]	X window Emacs (formerly Lucid Emacs)
vim [filename]	a vi-clone
vi [filename]	vi editor
textedit [filename]	a Motif-based text editor
nedit [filename]	a WordStar-like editor
joe [filename]	jed text editor
jed [filename]	X11 gui version of vim
gvim [filename]	GUI version of vim
emacs [filename]	start emacs. A more extensive documentation is available on-line. Reference card for GNU emacs is also available from FSF GNU
elvis [filename]	is available on-line. Reference card for GNU emacs is also available from FSF GNU
axe [filename]	a simple X window text editor
asWedit [filename]	a simple X window text editor
biff	notify new mail has arrived
elm	show current selected e-mail.
exmh	scan mailbox/folder
fastmail	show current selected news
from	interactive X window-based news reader
nn	be used to read through NNTP or spool. Can read news with nn (Nonews is good news.)
tidy	cleanup or tidy your newsrc
run	read news with run .
trn	threaded rn newsreader
xrn	X window-based newsreader
mail	read mail. If userid is given in the command line, it will be used in compose mode. After done, mail will be sent to userid
mailx	similar to mail . It userid is given in the command line, it will be used in compose mode. After done, mail will be sent to userid
mailtool	OpenWindows mail program
mh	mail user shell. Similar to
mailx	mail , but has a better user interface.
ftptool	hosted by batch FTP
batch FTP	hosted by ftptool
ftptool	Using the ftp program to perform FTP to/from host hostname.
kermit	send or receive files with kermit protocol.
imc	incorporate mail into inbox folder.
xemacs [filename]	X window Emacs (formerly Lucid Emacs)
vim [filename]	a simple X window text editor
vi [filename]	vi editor
textedit [filename]	a Motif-based text editor
nedit [filename]	a WordStar-like editor
joe [filename]	jed text editor
jed [filename]	X11 gui version of vim
gvim [filename]	GUI version of vim
emacs [filename]	start emacs. A more extensive documentation is available on-line. Reference card for GNU emacs is also available from FSF GNU
elvis [filename]	is available on-line. Reference card for GNU emacs is also available from FSF GNU
axe [filename]	a simple X window text editor
asWedit [filename]	a simple X window text editor
biff	notify new mail has arrived
elm	read and/or compose e-mail.
exmh	X windows mail reader based on MH, see below
fastmail	quick batch mail (part of Elm)
from	list senders of mails in your mailbox
nn	similar to from but has a better output. If foldername is present, it will list senders in box. This program instead your incoming mail folder. If userid is given in the command line, it will be used in compose mode. After done, mail will be sent to userid
mail [userid]	read mail. If userid is given in the command line, it will be used in compose mode. After done, mail will be sent to userid
mailtool	OpenWindows mail program
mh	mail user shell. Similar to
mailx	mail , but has a better user interface.
ftptool	hosted by batch FTP
batch FTP	hosted by ftptool
ftptool	Using the ftp program to perform FTP to/from host hostname.
kermit	send or receive files with kermit protocol.
imc	incorporate mail into inbox folder.
xemacs [filename]	X window Emacs (formerly Lucid Emacs)

minicom	communication package similar to Procomm	kermit -rfilename	to receive filename
ncftp hostname	a user-friendly FTP program	ncftp hostname	a user-friendly FTP program
login hostname [-l userid]	remote login to host hostname. If -l userid is given, will login as userid	rsz hostname	remote shell to host hostname
ssh [-l login-name] hostname [command]	connect to hostname with ssh (secure shell). If no command is given a shell will be started on host hostname. This is similar to telnet but the communication will be encrypted.	telnet hostname [portnum]	connect to hostname with telnet. It portnum connect to hostname with telnet but the various services such as IRC or MUD.)
xftp	X-window interface to FTP	rsync hostname	Open remote shell on host hostname in a new terminal window.
xterm	View/search manual pages in a terminal or shell session	hostname	One of the following programs
xman	Select pages from a PostScript file.	Window manager	(window managers) is usually started when you login on a Unix workstation, the actual choice is controlled by your session or .Xinitrc file.
xlock	Lock your screen	xwm	an X window drawing tool capable of producing an X window drawing tool. It can produce various output formats, including PostScript.
xterm	Select PostScript to gif format for editing.	xfce	an X window drawing tool. It can produce various output formats, including PostScript.
xman	Converts PostScript to gif format for editing.	xfig	X Window Tools Plot, and Image Process-
xmame	Create Adobe's Encapsulated PostScript Inter-	xscreensaver	a simple X window graphing program able to
xtmc	Change (EPSI) format from a PostScript file.	xgrip	produce a bar graph.
xclock	Display clock	xclock	start Corl Paint program (a commercial paint
xcalc	Calculator	xterm	ing program)
xfilemgr	Open Windows file manager	xterm	start CorelDraw (commercial drawing program)
xwm	Motif window manager	xfce	a simple X window graphing program able to
olwm	OpenLook window manager	xwmm	produce a bar graph.
twm	Tab window manager	xwmm	start Corl Paint program (a commercial paint
twm	OpenLook virtual window manager	xwmm	ing program)
twm	Motif window manager	xwmm	start CorelDraw (commercial drawing program)
xfce	Front-end of ghostscript (xs).	xwmm	a simple X window graphing program able to
gimp	Image processing tool/drawing program with fil-	xwmm	produce a bar graph.
gnuplot	ers (plugs-ins) to manipulate image.	xfce	start CorelDraw (commercial drawing program)
gnuplot	A freeware plotting program capable of plotting 2D and 3D plots. It supports a wide variety of output formats.	xfce	ing program)
gs	Ghostscript, a PostScript previewer. It can also be used to convert PostScript into other graphical formats.	xfce	a simple X window graphing program able to
ps2epsifile.ps [file.eps]	Create Adobe's Encapsulated PostScript Inter-	xfce	produce a bar graph.
psseletc [infile [outfile]]	Change (EPSI) format from a PostScript file.	xfce	start Corl Paint program (a commercial paint
psseledit	Select pages from a PostScript file.	xfce	ing program)
plot	Converts PostScript to gif format for editing.	xfce	start CorelDraw (commercial drawing program)
plot 2-D data	An X window drawing tool. It can produce vari-	xfce	a simple X window graphing program able to
tgif	ous output formats, including PostScript.	xfce	produce a bar graph.
xfig	An X window drawing tool capable of producing	xfce	start CorelPaint (a commercial paint
xfce	X Window Tools Plot, and Image Process-	xfce	ing program)
xfce	an X window drawing tool. It can produce vari-	xfce	start CorelPaint (a commercial paint
xfce	ous output formats, including PostScript.	xfce	ing program)
xfce	an X window drawing tool capable of producing	xfce	start CorelPaint (a commercial paint
xfce	X Window Tools Plot, and Image Process-	xfce	ing program)
xfce	an X window drawing tool. It can produce vari-	xfce	start CorelPaint (a commercial paint
xfce	ous output formats, including PostScript.	xfce	ing program)
xfce	an X window drawing tool capable of producing	xfce	start CorelPaint (a commercial paint
xfce	X Window Tools Plot, and Image Process-	xfce	ing program)
xfce	an X window drawing tool. It can produce vari-	xfce	start CorelPaint (a commercial paint
xfce	ous output formats, including PostScript.	xfce	ing program)
xfce	an X window drawing tool capable of producing	xfce	start CorelPaint (a commercial paint
xfce	X Window Tools Plot, and Image Process-	xfce	ing program)
xfce	an X window drawing tool. It can produce vari-	xfce	start CorelPaint (a commercial paint
xfce	ous output formats, including PostScript.	xfce	ing program)
xfce	an X window drawing tool capable of producing	xfce	start CorelPaint (a commercial paint
xfce	X Window Tools Plot, and Image Process-	xfce	ing program)
xfce	an X window drawing tool. It can produce vari-	xfce	start CorelPaint (a commercial paint
xfce	ous output formats, including PostScript.	xfce	ing program)

xloadimage <i>filename</i>	image previewer	X window painting program, understands various image formats including GIF
xpaint <i>[filename]</i>	image editor	GIF, BMP, TIFF, and PostScript.
tkwww	Tk-based WWW browser	image viewer and manipulation tools for X window. It supports various formats, including GIF, BMP, TIFF, and PostScript.
swais	a text-based WAIS client	X window WAIS client
talk <i>userid@hostname</i>	talk to userids screen/session	X-window interface of archive
traceroute <i>hostname</i>	trace route to host	X-window gopher client
tracemq IP	trace message queue	X-window WWW browser
write <i>userid</i>	write to userids screen/session	X-window interface of archive
bash	Born again shell. A sh clone, but better	Xgopher X-window gopher client
bison	a GNU implementation of yacc	Xgopher WWW browser
cc	C compiler	archive
ccp	C++ compiler	X-window WWW-browser which understands HTML 3.0.
ccs	C language Preprocessor	arena
ccsh	C-shell	X-window WAIS client
ccpp	C compiler	chimera
ccs	C compiler	X-window WWW-browser
host <i>domainname</i>	find information about host	hotjava
finger <i>userid@hostname</i>	check information of userid at host	Java
ftp	check information of userid at host	Hypermail
hostlookup	find domainname	converts mail into HTML
lpx	Internet Relay Chat, a multi-user chat. Beware, addictive!	hypertext
lpxtool	a debugger program	a text-based WWW-browser
77	FORTRAN compiler	NCSA X window WWW-browser
X	X window interface to dbx	Mosaic
dbxtool	dbx tool	
77	FORTRAN compiler	
find <i>[path...]/[expression]</i>	search recursively through directory tree starting from path	
ping <i>hostname</i>	check if host hostname is alive	

lex	GNU implementation of lex	print name list of object file	nm	GNU C implementation of lex	lex	GNU Common Lisp	sed	source code control system	sh	Bourne shell	Tcl shell, a Tcl interpreter	tcsh	tcsh, a csh compatible shell but better	tcsht	refORMAT source code to make it pretty for printout	wish	a simple windowing shell, a tk/tcl implementation	yacc	parsing program generator. Generate C code from a grammar	zsh	Z shell	macro language processor	make	maintain, update, compile, and regenerate related files by a set of rules defined in file Makefile.					
g++	GNU C++ compiler	GNU Fortran compiler	gfortran	GNU C compiler	gcc	GNU C debugger	gdb	grep pattern file(s)	sh	Tcl shell, a Tk interpreter	tcsh	tcsh, a csh compatible shell but better	tcsht	refORMAT source code to make it pretty for printout	wish	a simple windowing shell, a tk/tcl implementation	yacc	parsing program generator. Generate C code from a grammar	zsh	Z shell	macro language processor	make	maintain, update, compile, and regenerate related files by a set of rules defined in file Makefile.						
gawk	GNU awk	GNU C++ compiler	g++	GNU C compiler	gcc	GNU Common Lisp	gcl	grep pattern file(s)	sh	Tcl shell, a Tk interpreter	tcsh	tcsh, a csh compatible shell but better	tcsht	refORMAT source code to make it pretty for printout	wish	a simple windowing shell, a tk/tcl implementation	yacc	parsing program generator. Generate C code from a grammar	zsh	Z shell	macro language processor	make	maintain, update, compile, and regenerate related files by a set of rules defined in file Makefile.						
77	GNU implementation of lex	print name list of object file	nm	GNU C implementation of lex	lex	GNU Common Lisp	gcl	grep pattern file(s)	sh	Tcl shell, a Tk interpreter	tcsh	tcsh, a csh compatible shell but better	tcsht	refORMAT source code to make it pretty for printout	wish	a simple windowing shell, a tk/tcl implementation	yacc	parsing program generator. Generate C code from a grammar	zsh	Z shell	macro language processor	make	maintain, update, compile, and regenerate related files by a set of rules defined in file Makefile.						
15. Text processors, typesetters, and previewers	15. Text processors, typesetters, and previewers	converts ASCII to PostScript	2ps	Perl	perl	Practical Extraction and Reporting Language, a powerful programming and scripting language	prolog	a Prolog system	rcs	GNU rcs	resource / version control	sccs	source code control system	sh	Bourne shell	Tcl shell, a Tcl interpreter	tcsh	tcsh, a csh compatible shell but better	tcsht	refORMAT source code to make it pretty for printout	wish	a simple windowing shell, a tk/tcl implementation	yacc	parsing program generator. Generate C code from a grammar	zsh	Z shell	macro language processor	make	maintain, update, compile, and regenerate related files by a set of rules defined in file Makefile.

spell	<i>filename</i>	spell the contents of filename
tex	<i>filename.tex</i>	\TeX document processing and typesetting.
troff	<i>filename</i>	process filename with troff
xdvi	<i>filename.dvi</i>	dvi <i>filename.dvi</i>
sc	<i>filename.tex</i>	\TeX window version of sc
oleo	<i>filename</i>	GNU spreadsheet
se	<i>filename.tex</i>	\TeX window program to control the (La)TeX typesetting cycle, contains extensive helpfiles on xspread
xterm	<i>filename.tex</i>	\TeX commands and syntax.
xspread		X window calculator

16. Spreadsheets

Preview DVI file (*filename.dvi*)