

GNU Emacs Reference Card

(for version 19)

Motion

Starting Emacs	
To enter GNU Emacs 19, just type its name:	emacs
To read in a file to edit, see Files, below.	
Leaving Emacs	
suspend Emacs (or iconify it under X)	C-z
exit Emacs permanently	C-x C-c
Files	
read a file into Emacs	C-x C-f
save a file back to disk	C-x C-s
save all files	C-x s
insert contents of another file into this buffer	C-x i
replace this file with the file you really want	C-x C-v
write buffer to a specified file	C-x C-w
Getting Help	
The Help system is simple. Type C-h and follow the directions.	
If you are a first-time user, type C-h t for a tutorial.	
remove Help window	C-x 1
scroll Help window	ESC C-v
apropos: show commands matching a string	C-h a
show the function a key runs	C-h c
describe a function	C-h f
get mode-specific information	C-h m

Multiple Windows

entity to move over	
character	backward
word	forward
line	C-b
go to line beginning (or end)	M-b
sentence	C-P
Paragraph	C-a
Page	M-{
sexp	C-x [
function	C-M-b
go to buffer beginning (or end)	M-<
scroll to next screen	M->
scroll to previous screen	M-v
scroll left	C-x <
scroll right	C-x >
scroll current line to center of screen	C-u C-1

Killing and Deleting

entity to kill	
character (delete, not kill)	backward
word	forward
line (to end of)	DEL
sentence	M-DEL
sexp	C-o
kill region	C-k
copy region to kill ring	M-O C-k
kill through next occurrence of <i>char</i>	C-x DEL
yank back last thing killed	M-k
replace last yank with previous kill	M-- C-M-k
replace this file with the file you really want	C-w
write buffer to a specified file	M-w

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Marking

set mark here	C-@ or C-SPC
exchange point and mark	C-x C-x
set mark <i>ary</i> words away	M-@
mark paragraph	M-h
mark page	C-x C-p
mark sexp	C-M-Q
mark function	C-M-h
mark entire buffer	C-x h

Error Recovery

abort partially typed or executing command	C-g
recover a file lost by a system crash	M-x recover-file
undo an unwanted change	C-x u or C-_
restore a buffer to its original contents	M-x revert-buffer
redraw garbaged screen	C-1

Incremental Search

search forward	C-s
search backward	C-r
regular expression search	C-M-s
reverse regular expression search	C-M-r
select previous search string	M-p
select next later search string	M-n
exit incremental search	RET
undo effect of last character	DEL
abort current search	C-g
Use C-s or C-r again to repeat the search in either direction.	
If Emacs is still searching, C-g cancels only the part not done.	
enter recursive edit (C-M-c to exit)	ESC
Permissions on back, v2.0	C-r
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Formatting

split window in two vertically	
split other window	M-f
switch cursor to another window	C-n
shrink window shorter	C-e
grow window taller	M-e
shrink window narrower	C-W-f
grow window wider	C-W-e
select buffer in other window	C-x }
display buffer in other window	C-x f
find file read-only in other window	C-x r
run Dired in other window	C-x d
find tag in other window	C-x .

Formatting

indent current line (mode-dependent)	TAB
indent region (mode-dependent)	C-M-\
indent region rigidly <i>ary</i> columns	C-W-q
insert newline after point	C-o
move rest of line vertically down	C-W-o
delete blank lines around point	C-x o
join line with previous (with arg, next)	M-~
delete all white space around point	M-\
put exactly one space at point	M-SPC
fill paragraph	M-q
set fill column	C-x f
set prefix each line starts with	M-x capitalize-region

Case Change

uppercase word	M-u
lowercase word	M-l
capitalize word	M-c
uppercase region	C-x C-u
lowercase region	C-x C-l
capitalize region	M-x capitalize-region

The Minibuffer

The following keys are defined in the minibuffer.	
complete as much as possible	TAB
complete up to one word	SPC
complete and execute	RET
show possible completions	?
fetch previous minibuffer input	M-p
fetch next later minibuffer input	M-n
regexp search backward through history	M-r
regexp search forward through history	M-s
abort command	C-g
Type C-x ESC ESC to edit and repeat the last command that used the minibuffer. The following keys are then defined.	
previous minibuffer command	DEL
next minibuffer command	C-r
next minibuffer command	M-p
next minibuffer command	M-n

Query Replace

interactively replace a text string	M-y
using regular expressions	M-x query-replace-regexp

Valid responses in query-replace mode are	
replace this one, go on to next	SPC
replace this one, don't move	'
skip to next without replacing	DEL
replace all remaining matches	!
back up to the previous match	~
exit query-replace	ESC
enter recursive edit (C-M-c to exit)	C-g

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Regular Expressions

any single character except a newline	.
zero or more repeats	*
one or more repeats	+
zero or one repeat	?
any character in the set	[...]
any character not in the set	[^ ...]
beginning of line	^
end of line	\$
quote a special character <i>c</i>	\c
alternative ("or")	\
grouping	\(... \)
<i>n</i> th group	\n
beginning of buffer	\`
end of buffer	\`
word break	\b
not beginning or end of word	\B
beginning of word	\K
end of word	\L
any word-syntax character	\w
any non-word-syntax character	\W
character with syntax <i>c</i>	\sc
character with syntax not <i>c</i>	\S\c

Transposing

transpose characters	C-t
transpose words	M-t
transpose lines	C-x C-t
transpose sexps	C-M-t

Spelling Check

check spelling of current word	M-x ispell-region
check spelling of all words in region	M-x ispell-buffer
check spelling of entire buffer	,

Tags

find a tag (a definition)	M-.
find next occurrence of tag	C-u M-.
specify a new tags file	M-x visit-tags-table
regexp search on all files in tags table	M-x tags-search
run query-replace on all the files	M-x tags-query-replace
continue last tags search or query-replace	M- ,

Here are some examples of binding global keys in Emacs Lisp.

Note that you cannot say "`\M-#`"; you must say "`\e#`".

(global-set-key "C-cg" 'goto-line)
(global-set-key "\C-x\C-k" 'kill-region)
(global-set-key "\e#" 'query-replace-regexp)
An example of setting a variable in Emacs Lisp:
(setq backup-by-copying 'shem-linked t)

Info

enter the Info documentation reader	C-h i
Moving within a node:	
scroll forward	SPC
scroll reverse	DEL
beginning of node	.
Moving between nodes:	(dot)
next node	n
previous node	p
move up	u
select menu item by name	m
select <i>n</i> th menu item by number (1-5)	n
follow cross reference (return with 1)	f
return to last node you saw	l
return to directory node	d
go to any node by name	g

Rectangles

copy rectangle to register	C-x r r
kill rectangle	C-x r k
yank rectangle	C-x r y
open rectangle, shifting text right	C-x r o
blank out rectangle	M-x clear-rectangle
prefix each line with a string	M-x string-rectangle

Abbrevs

add global abbrev	C-x a g
add mode-local abbrev	C-x a 1
add global expansion for this abbrev	C-x a i g
add mode-local expansion for this abbrev	C-x a i l
explicitly expand abbrev	C-x a e
expand previous word dynamically	M-/

Other:
run Info tutorial
list Info commands
quit Info
search nodes for regexp

h ? q s

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