GNU Emacs Reference Card

(for version 20)

Starting Emacs

To enter GNU Emacs 20, 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
version control checkin/checkout	C-x C-q

Getting Help

The help system is simple. Type C-h (or F1) 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	C-M-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

Error Recovery

abort partially typed or executing comman	.d	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	${\tt revert-buffer}$
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	М-р
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.

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Motion

entity to move over	backw	ard	forward
character	C-b		C-f
word	M-b		M-f
line	C-p		C-n
go to line beginning (or end)	C-a		С-е
sentence	M-a		M-e
paragraph	$M-{\{}$		M-}
page	C-x [C-x]
sexp	C-M-b		C-M-f
function	C-M-a		C-M-e
go to buffer beginning (or end)	M-<		M->
scroll to next screen		C-v	
scroll to previous screen		v-M	
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	backward	forward
character (delete, not kill)	DEL	C-d
word	M-DEL	M-d
line (to end of)	M-0 C-k	C-k
sentence	C-x DEL	M-k
sexp	M $C-M-k$	C-M-k
kill region	C-w	
copy region to kill ring	w-M	
kill through next occurrence of <i>char</i>	M-z	char
yank back last thing killed	С-у	
replace last yank with previous kill	M-y	

Marking

set mark here exchange point and mark	C-@ or C-SPC C-x C-x
set mark arg 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

Query Replace

M-% M-x query-replace-regexp
de are
SPC , DEL !
RET C-r
•

Multiple Windows

When two commands are shown, the second is for "other frame."

delete all other windows		C-x	1		
split window, above and below	C-x 2		C-x	5	2
delete this window	C-x 0		C-x	5	0
split window, side by side		C-x	3		
scroll other window		C-M-	-ν		
switch cursor to another window	C-x o		C-x	5	0
select buffer in other window	C-x 4	b	C-x	5	b
display buffer in other window	C-x 4	C-o	C-x	5	C-o
find file in other window	C-x 4	f	C-x	5	f
find file read-only in other window	C-x 4	r	C-x	5	r
run Dired in other window	C-x 4	d	C-x	5	d
find tag in other window	C-x 4		C-x	5	
grow window taller		C-x	^		
shrink window narrower		C-x	{		
grow window wider		C-x	}		

Formatting

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

Case Change

uppercase word	M-u
lowercase word	M-1
capitalize word	M-c
uppercase region	C-x C-u
lowercase region	C-x C-1

The Minibuffer

The following keys are defined in the minibuffer.

TAB
SPC
RET
?
М-р
M-n
M-r
M-s
C-g

Type C-x ESC to edit and repeat the last command that used the minibuffer. Type F10 to activate the menu bar using the minibuffer.

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Buffers

select another buffer	C-x	b
list all buffers	C-x	C-b
kill a buffer	C-x	k

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-\$
check spelling of all words in region	M-x ispell-region
check spelling of entire buffer	M-x ispell-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-replacement	ace M-,

Shells

execute a shell command	M-!
run a shell command on the region	M-
filter region through a shell command	C-u M-
start a shell in window *shell*	M-x shell

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	C-x r c
prefix each line with a string	C-x r t

Abbrevs

add global abbrev	C-x a g
add mode-local abbrev	C-x a l
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	С-х а е
expand previous word dynamically	M-/

Regular Expressions

any single character except a newline	\cdot (dot)
zero or more repeats	*
one or more repeats	+
zero or one repeat	?
quote regular expression special character c	$\setminus c$
alternative ("or")	\ I
grouping	\(\)
same text as n th group	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $
at word break	\ b
not at word break	\B

entity match start match end line *

word \< \> buffer \' '

class of characters match these match others explicit set [...] [$^{\sim}$...] word-syntax character $^{\vee}$ \w \\ character with syntax c \s c \\ S c

International Character Sets

specify principal language M-x set-language-environment show all input methods M-x list-input-methods enable or disable input method C-\
set coding system for next command show all coding systems
choose preferred coding system M-x prefer-coding-system

Info

enter the Info documentation reader	C-h i
find specified function or variable in Info	C-h C-i

Moving within a node:

scroll forward SPC scroll reverse DEL beginning of node . (dot)

Moving between nodes:

 \mathbf{next} node n previous node p move **up** u select menu item by name select nth menu item by number (1-9)nfollow cross reference (return with 1) f return to last node you saw 1 return to directory node d go to any node by name g

Other:

run Info tutorial h
quit Info q
search nodes for regexp M-s

Registers

save region in register	C-x r s
insert register contents into buffer	C-x r i
save value of point in register	C-x r SPC
jump to point saved in register	C-x r j

Keyboard Macros

```
start defining a keyboard macroC-x (end keyboard macro definitionC-x )execute last-defined keyboard macroC-x eappend to last keyboard macroC-u C-x (name last keyboard macroM-x name-last-kbd-macroinsert Lisp definition in bufferM-x insert-kbd-macro
```

Commands Dealing with Emacs Lisp

```
eval sexp before point

eval current defun

eval region

read and eval minibuffer

load from standard system directory

C-x C-e

C-M-x

M-x

eval-region

M-:

load-library
```

Simple Customization

```
customize variables and faces M-x customize
Making global key bindings in Emacs Lisp (examples):

(global-set-key "\C-cg" 'goto-line)
(global-set-key "\M-#" 'query-replace-regexp)
```

Writing Commands

The interactive spec says how to read arguments interactively. Type C-h f interactive for more details.

```
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v2.2 for GNU Emacs version 20, June 1997
designed by Stephen Gildea
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