

GNU Emacs Reference Card

(for version 24)

Starting Emacs

To enter GNU Emacs 24, just type its name: `emacs`

Leaving Emacs

suspend Emacs (or iconify it under X)	<code>C-z</code>
exit Emacs permanently	<code>C-x C-c</code>

Files

read a file into Emacs	<code>C-x C-f</code>
save a file back to disk	<code>C-x C-s</code>
save all files	<code>C-x s</code>
insert contents of another file into this buffer	<code>C-x i</code>
replace this file with the file you really want	<code>C-x C-v</code>
write buffer to a specified file	<code>C-x C-w</code>
toggle read-only status of buffer	<code>C-x C-q</code>

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	<code>C-x 1</code>
scroll help window	<code>C-M-v</code>
apropos: show commands matching a string	<code>C-h a</code>
describe the function a key runs	<code>C-h k</code>
describe a function	<code>C-h f</code>
get mode-specific information	<code>C-h m</code>

Error Recovery

abort partially typed or executing command	<code>C-g</code>
recover files lost by a system crash	<code>M-x recover-session</code>
undo an unwanted change	<code>C-x u</code> , <code>C-_</code> or <code>C-/</code>
restore a buffer to its original contents	<code>M-x revert-buffer</code>
redraw garbaged screen	<code>C-l</code>

Incremental Search

search forward	<code>C-s</code>
search backward	<code>C-r</code>
regular expression search reverse	<code>C-M-s</code>
regular expression search	<code>C-M-r</code>
select previous search string	<code>M-p</code>
select next later search string	<code>M-n</code>
exit incremental search undo	<code>RET</code>
effect of last character abort	<code>DEL</code>
current search	<code>C-g</code>

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 matched.

Motion

entity to move over	backward	forward
character	<code>C-b</code>	<code>C-f</code>
word	<code>M-b</code>	<code>M-f</code>
line	<code>C-p</code>	<code>C-n</code>
go to line beginning (or end)	<code>C-a</code>	<code>C-e</code>
sentence	<code>M-a</code>	<code>M-e</code>
paragraph	<code>M-{</code>	<code>M-}</code>
page	<code>C-x</code>	<code>C-x]</code>
sexp	<code>[C-M-</code>	<code>C-M-f</code>
function	<code>b C-M-</code>	<code>C-M-e</code>
go to buffer beginning (or end)	<code>a M-<</code>	<code>M-></code>
scroll to next screen		<code>C-v</code>
scroll to previous screen		<code>M-v</code>
scroll left		<code>C-x <</code>
scroll right		<code>C-x ></code>
scroll current line to center, top, bottom		<code>C-l</code>
goto line		<code>M-g g</code>
goto char		<code>M-g c</code>
back to indentation		<code>M-m</code>

Killing and Deleting

entity to kill	backward	forward
character (delete, not kill)	<code>DEL</code>	<code>C-d</code>
word	<code>M-DEL</code>	<code>M-d</code>
line (to end of)	<code>M-O C-k</code>	<code>C-k</code>
sentence	<code>C-x DEL</code>	<code>M-k</code>
sexp	<code>M-- C-M-k</code>	<code>C-M-k</code>
kill region		<code>C-w</code>
copy region to kill ring		<code>M-w</code>
kill through next occurrence of <i>char</i>		<code>M-z char</code>
yank back last thing killed replace		<code>C-y</code>
last yank with previous kill		<code>M-y</code>

Marking

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

Query Replace

interactively replace a text string	<code>M-%</code>
using regular expressions	<code>M-x query-replace-regexp</code>
Valid responses in query-replace mode are	
replace this one, go on to next	<code>SPC</code> or <code>y</code>
replace this one, don't move	<code>,</code>
skip to next without replacing	<code>DEL</code> or <code>n</code>
replace all remaining matches	<code>!</code>
back up to the previous match	<code>~</code>
exit query-replace	<code>RET</code>
enter recursive edit (<code>C-M-c</code> to exit)	<code>C-r</code>

Multiple Windows

When two commands are shown, the second is a similar com-mand for a frame instead of a window.

delete all other windows	<code>C-x 1</code>	<code>C-x 5 1</code>
split window, above and below	<code>C-x 2</code>	<code>C-x 5 2</code>
delete this window	<code>C-x 0</code>	<code>C-x 5 0</code>
split window, side by side		<code>C-x 3</code>
scroll other window		<code>C-M-v</code>
switch cursor to another window	<code>C-x o</code>	<code>C-x 5 o</code>
select buffer in other window	<code>C-x 4 b</code>	<code>C-x 5 b</code>
display buffer in other window find	<code>C-x 4 C-o</code>	<code>C-x 5 C-</code>
file in other window	<code>6-x 4 f</code>	<code>C-x 5 f</code>
find file read-only in other window	<code>C-x 4 r</code>	<code>C-x 5 r</code>
run Dired in other window	<code>C-x 4 d</code>	<code>C-x 5 d</code>
find tag in other window	<code>C-x 4 .</code>	<code>C-x 5 .</code>
grow window taller		<code>C-x ^</code>
shrink window narrower		<code>C-x {</code>
grow window wider		<code>C-x }</code>

Formatting

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

Case Change

uppercase word	<code>M-u</code>
lowercase word	<code>M-l</code>
capitalize word	<code>M-c</code>
uppercase region	<code>C-x C-u</code>
lowercase region	<code>C-x C-l</code>

The Minibuffer

The following keys are defined in the minibuffer.

complete as much as possible	<code>TAB</code>
complete up to one word	<code>SPC</code>
complete and execute	<code>RET</code>
show possible completions	<code>?</code>
fetch previous minibuffer input	<code>M-p</code>
fetch later minibuffer input or default	<code>M-n</code>
regex search backward through history	<code>M-r</code>
regex search forward through history	<code>M-s</code>
abort command	<code>C-g</code>

Type `C-x ESC ESC` to edit and repeat the last command that used the minibuffer. Type **F10** to activate menu bar items on text terminals.

