# Getting Started

Type **emacs** to enter Emacs text editor CTRL + Z Suspend Emacs

CTRL + X + CTRL + C

ALT + {

Close Emacs permanently

# Navigation

Move to the beginning of the paragraph

|  |
| --- |
| **Case Conversion** |
| ALT + L | Convert a word to lowercase |
| ALT + C | Capitalize a word |
| ALT + U | Convert a word to uppercase |
| CTRL + X + CTRL+ L or ALT + Xdowncase-region | Convert a selected region to lowercase |
| CTRL + X + CTRL+ U or ALT + Xupcase-region | Convert a selected region to uppercase |
| ALT + X capitalize- region | Capitalize the first character of each word in the selected region |
|  | **File Handling** |
| CTRL + X + CTRL+ F | Open a file |
| CTRL + X + CTRL+ S | Save the current buffer |
| CTRL + X + S | Save all buffers |
| CTRL + X + CTRL+ R | Rename file |
| CTRL + X + CTRL+ A | Edit file as root |
| CTRL + X + CTRL+ V | Visit a different file in the currentbuffer |
| CTRL + X + CTRL+ Q | Toggle read-only mode forcurrent buffer |
| CTRL + X + I | Insert a file into the current buffer |
| CTRL + X + CTRL+ D | Delete file |
| CTRL + X + CTRL+ W | Write the current buffer to a different file (Save file as...) |
|  | **Formatting** |
| CTRL + ALT + Q | Reformat the current paragraph |
| CTRL + ALT + \ | Indent the region by aligning it properly |
| ALT + Q | Fill paragraph at cursor point |
| TAB | Indent the current line |
| CTRL + O | Insert a new line |

ALT + } Move to the end of the paragraph

ALT + F

Move forward one word

ALT + B Move backward one word

CTRL + P Move to the previous line CTRL + A Move to the beginning of the

CTRL + N

Move to the next line

line

CTRL + L Center the display on the

current line

ALT + A Move to the beginning of the current sentence

ALT + E Move to the end of the current

sentence

CTRL + F

Move forward one character

CTRL+B Move backward one character ALT + < Move to the beginning of

buffer

ALT + > Move to the end of buffer

ALT + N Move forward through the command history

ALT + P Move backward through the command history

CTRL + E Move to the end of the line

# Getting Help

CTRL + H + T Open the Emacs tutorial

CTRL + ALT + O CTRL + X + CTRL

+ O

# Formatting

Split current line at cursor point and move the rest text to the new line

Delete blank lines around cursor point

ALT + ^

Join current line with previous line by removing whitespace of current line

ALT + \ Delete all whitespace around cursor point

ALT + SPACE Force putting one space at

cursor point

CTRL + X + TAB Indent region by specific number

of spaces

CTRL + X + F Set the fill column to a special

value

CTRL + X + . Set prefix each line starts with at cursor point

Move cursor to new line preserving indentation

ALT + O

# Frames

Split the current frame

CTRL + X + 5 + 2

horizontally by creating a new frame

CTRL + X + 5 + 3 Split the current frame vertically

|  |  |
| --- | --- |
|  | **Getting Help** |
| CTRL + H + F | Describe a specific function by name |
| CTRL + H + V | Describe a specific variable by name |
| CTRL + H + W | Display the key bindings for a given command |
| CTRL + H + B | Show all key bindingscurrently in effect |
| CTRL + H + A | Show commands matching a string |
| CTRL + H + M | Get mode-specific information |
| CTRL + H + CTRL + F | Open a file using the built-in Emacs file browser |
| CTRL + H + CTRL + A | Show the Emacs command- line arguments |
| CTRL + H + CTRL + C | Describe the Emacs copying conditions |
| CTRL + H +CTRL + D | Display the GNU Emacsdistribution details |
| CTRL + H + CTRL + M | Display the GNU Emacs manual in Info format |
| CTRL + H + CTRL + P | Describe the Emacs package system |
| n | Move to the next page or section in the help buffer |
| p | Move to the previous page orsection in the help buffer |
| SPACE | Scroll down by one windowfulin the help buffer |
| DEL | Scroll up by one windowful in the help buffer |
| b | Scroll up by one page in thehelp buffer |
| f | Scroll down by one page in the help buffer |
| u | Scroll up by half a page in thehelp buffer |

by creating a new frame

CTRL + X + 5 + 0 Close the current frame

CTRL + X + 5 + O Cycle through the available frames

CTRL + X + 5 + B Switch to a different buffer in

another frame

Increase the size of the current frame horizontally

CTRL + X + 5 + +

CTRL + X + 5 + - Decrease the size of the current

frame horizontally

CTRL + TAB Switch to the next frame

ALT + S + ARROWS

Resize frame

|  |  |
| --- | --- |
|  | **Getting Help** |
| m | Return to the top-level menuin the help buffer |
| g | Revert the help buffer to its original state |
| q | Quit the help buffer |
| **Multiple Windows** |
| CTRL + X + 0 | Close the current window |
| CTRL + X + 1 | Close all other windows keeping only the current one |
| CTRL + X + 2 | Split the current window vertically into two windows |
| CTRL + X + 3 | Split current window horizontally into two windows |
| CTRL + X + O | Switch to the next window |
| CTRL + X + ^ | Enlarge the current windowvertically |
| CTRL + X + { | Shrink the current window horizontally |
| CTRL + X + } | Enlarge the current window horizontally |
| CTRL + ALT + V | Scroll other windows |
| CTRL + X + R + W | Save the current window configuration to a register |
| CTRL + X + R + J | Jump to a previously saved window configuration |
| CTRL + X + 4 +B | Open a buffer in a newwindow |
| CTRL + X + 4 +F | Open a file in a new window |
| CTRL + X + 4 + R | Open a read-only file in a new window |
| CTRL + X + 4 + D | Open and access contents of a directory in a separatewindow using **Dired** mode |
| CTRL + X + 4 + | Find tag in other windows |
|  | **Screens** |
| F9 | Create new screen |
| CTRL + Z + CTRL + B | Escreen manu |

**Frames**

CTRL + X + 5 + R Rename the current frame

CTRL + X + 5 + F Open a file in a new frame

CTRL + C + S + A Scroll all frames simultaneously

**Dired (Open with CTRL + X + D)**

C/R/D Copy/rename/delete

!/& Shell command/asynchronous

Z

Compress/uncompress

M/G/O Change mode/group/owner

A/Q

Search/replace

m/u/U Mark/unmark/unmark all

+

New directory

g Refresh

**Transposing**

CTRL + T

Transpose characters

ALT + T Transpose words

CTRL + X + CTRL Transpose lines

+ T

CTRL + V Scroll forward

CTRL + ALT + T Transpose sexps (balanced

expression)

ALT + V Scroll backward

CTRL + X + < Scroll left

CTRL + X + > Scroll right

ALT + G + G Go to line

ALT + M Move to first non-whitespace character on the line

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| --- | --- |
|  | **Screens** |
| ALT + 1…ALT + 0 | Go to screen number 1…10 |
| CTRL + Z + L | List active screens |
| S + F9 | Kill current screen |
|  | **Desktop** |
| CTRL + X + X + R | Load session |
| CTRL + X + X + S | Save current session |
| CTRL + X + X + D | Save current session & clear |
| CTRL + X + X + C | Change session (save & load) |
| CTRL + X + X + N | Show current session name |
|  | **Info** |
| b | Beginning of a info node |
| CTRL + H + S | Open emacs FAQ |
| p | Move to the previous Infonode |
| DEL | Scroll backward in info buffer |
| CTRL + H + I | Open info system and displayinfo menu |
| n | Move to next info node |
| SPACE | Scroll forward in info buffer |
| m | Go to the Info menu |
| u | Go up one level in the Info hierarchy |
| d | Follow a directory reference to browse a directory |
| f | Follow a cross-reference to another Info node |
| l | Follow a link to an external file or URL |

|  |
| --- |
| **Transposing** |
| ALT + G + C Go to character |
| **Search** |
| CTRL + S Search forward |

CTRL + R Search backward

ALT + X regexp

Search using a regular expression

Search forward using a regular CTRL + ALT + S expression

CTRL + ALT + R Search backward using a regular expression

Forward search Regex through history

Backward search Regex through history

ALT + R

ALT + S

Replace a text string

ALT + %

**Query Replace**

CTRL + ALT + % Replace all occurrences

SPACE / y

Replace and move to the next occurrence

DEL / n Skip to the next occurrence without replacing

RET Exit query replace

Replace all remaining

! occurrences without further prompting

CTRL + C + G + Google search RET

**Google**

CTRL + C + G + G Google search on cursor

CTRL + C + G + R Google C++ reference

CTRL + C + G + M Google maps search

CTRL + C + t Google translate at point

# Google

CTRL + C + T Google translate

CTRL + @ or CTRL + SPACE

CTRL + X + CTRL

+ X

CTRL + X + CTRL

+ P

CTRL + ALT + @ or CTRL + ALT + SPACE

# Marking

Set the mark at the current cursor position

Exchange the cursor position with the mark position

ALT + @

Mark the next word as the region

Mark page

Mark the current function

CTRL + ALT + H Mark the entire current buffer

CTRL + ALT +

<SPACE>

Mark the next expression or block of text

CTRL + X + H Mark the entire buffer

CTRL + ← , CTRL

+ →, CTRL + ↑, CTRL + ↓

CTRL + X + CTRL

+ B

Mark by word or line in the respective direction

# Buffers

List all buffers

CTRL + X + B Select another buffer

ALT + X rename- buffer

Rename the current buffer

CTRL + X + K Kill a buffer

CTRL + G

Abort the current operation of a keyboard macro

|  |  |
| --- | --- |
|  | **Info** |
| n | Move to the next Info node |
| t | Toggle between the table ofcontents and current node |
| g | Go to a specific Info node by name |
| h | Display the Info help message |
| i | Display information about the current node |
| s | Search for a specific text or pattern in the current node |
|  | **Regex** |
| ^ | Start of a line anchor |
| $ | End of a line anchor |
| \< | Start of a word anchor |
| \\_< | Start of a word or buffer anchor |
| \> | End of a word anchor |
| \\_> | End of a word or buffer anchor |
| \‘ | Start of a sentence anchor |
| . | Match any single character except a newline |
| \’ | End of a sentence anchor |
| \* | Match zero or more repeats of preceding element |
| \b | Match a word break |
| \w | Match any word character |
| [...] | Match character present within the brackets |
| \ | Quote special characters |
| \W | Match non word character |

RET

SPACE

Complete and execute

Complete up to one word

TAB Complete as much as possible

# Tags

ALT + . Find a tag (a definition)

**Tags**

ALT + \*

Return to the previous location before the last jump

CTRL + U + ALT +

.

ALT + X visit-tags- table

ALT + X compile- tags

ALT + X build-tags Build a tags file recursively for all

files in a directory

ALT + X tags- apropos

ALT + X tags-loop- Continue a tag search continue

ALT + X tags- revert-buffer

ALT + X tags-reset- Clear list of visited tags table

tags-table

ALT + X tags- search

ALT + X tags- query-replace

Run query and replace on all files

ALT + ,

Find next occurrence of tag

Visit an existing tags file or create a new one

Generate a new tags file using specific command

Search for symbols matching a particular pattern

Update current buffer with changes made to tags file

Regex search on all files in tag table

Continue last tags search or query-replace

|  |  |
| --- | --- |
|  | **Regex** |
| + | Match one or more repeats of preceding element |
| [^...] | Match character that is not present within the brackets |
| \sc | Match character with the specified syntax class |
| \Sc | Match character that doesn’t belong to the specified syntax class |
| \cc | Match character with the specified character category |
| \Cc | Match character that doesn’t belong to the specified character category |
| ? | Match zero or one repeat ofpreceding element |
| \| | Match either the expression before or after vertical bar |
| \(...\) | Group the enclosed regular expression as subexpression |
| \(:?...\) | Match the enclosed regular expression but doesn’t store it |
| \(:NUM...\) | Match the same text that was matched by the **‘NUM’**th sub- expression before |
| \n | Match the same text that wasmatched by the **‘n’**th sub- expression before |
| \B | Match a position that is not a word break |
| **Error Recovery** |
| ALT + X recover- session | Recover a previous Emacs session |
| CTRL + \_ or CTRL + / | Undo the last change made in Emacs |

ALT + !

**Miscellaneous**

Execute a shell command

ALT + & Execute a shell command asynchronously

ALT

Run a shell command on the region

CTRL + U + ALT Filter region through a shell

command

**Miscellaneous**

ALT + X shell Start a shell in window shell

|  |
| --- |
| **Error Recovery** |
| ALT + X revert- buffer | Recover files lost by a system crash |
| CTRL + L | Clear the current screen &redraw the contents of the buffer |
| CTRL + G | Cancel a running Emacs command or quit a partially |
| **Killing and Deleting** |
| CTRL + K | Kill (cut) text from the cursor position to the end of the line |
| ALT + K | Kill text from the cursor position to the end of thecurrent sentence |
| CTRL + W | Kill text from the cursor position to the end of thecurrent sentence |
| ALT + D | Kill the word following the cursor |
| DEL | Delete the character before the cursor |
| ALT + DEL | Delete the word before the cursor |
| CTRL + X + DEL | Kill backward from the cursor to the previous whitespace |
| CTRL + D | Delete the character at the cursor |
| ALT + <DEL>. | Delete the line before thecursor |
| CTRL + Y | Yank (paste) the last killed text at the cursor position |
| ALT + Y | Replace last yank with previous kill |
| ALT + W | Copy region to kill ring |

CTRL + X + R + I Insert register contents into buffer

CTRL + X + R + J Jump to point saved in register

CTRL + X + R + S Save region in register

CTRL + X + R + Save value of point in register SPACE

CTRL + X + RET +

L Specify principal language

CTRL + U num Numeric argument

ALT + - Negative argument

CTRL + X + A + G Add global abbrev

ALT + $ Check spelling of current word

ALT + X ispell- region

ALT + X ispell- buffer

Check spelling of entire buffer

ALT + X flyspell- mode

Check spelling of all words in region

Toggle on-the-fly spell checking