

# Vim Cheatsheet

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## Quick reference for Vim text editor commands

Vim is a powerful modal text editor that comes pre-installed on most Linux systems. This cheatsheet covers essential commands for navigating, editing, searching, and managing files in Vim. Master these commands to dramatically increase your editing speed.

### Modes

Switch between Vim's different editing modes.

i	Insert mode (before cursor)
I	Insert at line beginning
a	Insert mode (after cursor)
A	Insert at line end
o	New line below
O	New line above
Esc	Return to Normal mode
v	Visual mode
V	Visual line mode
Ctrl+v	Visual block mode

## Save & Quit

Save files and exit the editor.

<code>:w</code>	Save file
<code>:w filename</code>	Save as filename
<code>:q</code>	Quit
<code>:q!</code>	Quit without saving
<code>:wq</code>	Save and quit
<code>:x</code>	Save and quit
<code>ZZ</code>	Save and quit
<code>ZQ</code>	Quit without saving

## Navigation

Move around the file efficiently.

<code>h</code>	Move left
<code>j</code>	Move down
<code>k</code>	Move up
<code>l</code>	Move right
<code>w</code>	Next word
<code>b</code>	Previous word
<code>e</code>	End of word
<code>0</code>	Line beginning
<code>\$</code>	Line end
<code>^</code>	First non-blank char

## Jump Around

Navigate to specific locations quickly.

gg	Go to first line
G	Go to last line
5G	Go to line 5
:5	Go to line 5
Ctrl+f	Page down
Ctrl+b	Page up
Ctrl+d	Half page down
Ctrl+u	Half page up
%	Jump to matching bracket
H	Top of screen
M	Middle of screen
L	Bottom of screen

## Delete

Remove text from the file.

x	Delete character
X	Delete char before cursor
<a href="#">dd</a>	Delete line
D	Delete to line end
dw	Delete word
d\$	Delete to line end
d0	Delete to line start
dG	Delete to file end
dgg	Delete to file start
5dd	Delete 5 lines

## Copy & Paste

Yank (copy) and put (paste) text.

<a href="#">yy</a>	Yank (copy) line
yw	Yank word
y\$	Yank to line end
5yy	Yank 5 lines
p	Paste after cursor
P	Paste before cursor
"*y	Yank to system clipboard
"*p	Paste from clipboard
"+y	Yank to clipboard (X11)
"+p	Paste from clipboard (X11)

## Undo & Redo

Reverse and repeat changes.

<a href="#">u</a>	Undo
U	Undo line changes
Ctrl+r	Redo
.	Repeat last command

## Search

Find text in the file.

<a href="#">/pattern</a>	Search forward
?pattern	Search backward
n	Next match
N	Previous match
*	Search word under cursor
#	Search backward for word
:noh	Clear search highlight

## Find & Replace

Search and replace text patterns.

<a href="#">:s/old/new/</a>	Replace first on line
:s/old/new/g	Replace all on line
:%s/old/new/g	Replace all in file
:%s/old/new/gc	Replace with confirm
:5,10s/old/new/g	Replace in lines 5-10

## Visual Mode

Select and manipulate text blocks.

v	Start visual mode
V	Select lines
Ctrl+v	Select block
y	Yank selection
d	Delete selection
>	Indent selection
<	Unindent selection
~	Toggle case
u	Lowercase
U	Uppercase

## Indentation

Adjust text indentation.

>>	Indent line
<<	Unindent line
5>>	Indent 5 lines
=	Auto-indent
gg=G	Auto-indent entire file
:set tabstop=4	Set tab width
:set expandtab	Use spaces for tabs

## Line Numbers

Display and navigate with line numbers.

<a href="#"><u>:set number</u></a>	Show line numbers
:set nu	Show line numbers
:set nonumber	Hide line numbers
:set relativenumber	Relative line numbers
:set rnu	Relative line numbers

## Multiple Files

Work with multiple files and buffers.

:e filename	Open file
:bn	Next buffer
:bp	Previous buffer
:bd	Close buffer
:ls	List buffers
:sp filename	Horizontal split
:vsp filename	Vertical split
Ctrl+w w	Switch window
Ctrl+w q	Close window
:tabnew	New tab
gt	Next tab
gT	Previous tab

## Marks

Set and jump to bookmarks.

ma	Set mark 'a'
'a	Jump to mark 'a'
`a	Jump to exact position
:marks	List all marks
''	Jump to last position
`.	Jump to last edit

## Macros

Record and replay command sequences.

qa	Start recording to 'a'
q	Stop recording
@a	Play macro 'a'
@@	Replay last macro
5@a	Play macro 5 times

## Settings

Configure Vim behavior.

:set ignorecase	Case insensitive search
:set smartcase	Smart case search
:set hlsearch	Highlight search
:set incsearch	Incremental search
:set wrap	Wrap long lines
:set nowrap	Disable line wrapping
:syntax on	Enable syntax colors
:set paste	Paste mode (no indent)