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Normal Mode

Esc or <Ctrl + [>

Move the cursor

h move one character left

j move one row down

k move one row up

l move one character right

4j move 4 rows down

6k move 6 rows up

f + char move to next char (within a line)

t + char move to next char (before it) (within a line)

F T (to the left)

w move to beginning of next word

b move to previous beginning of word

e move to end of word

W move to beginning of next word after a whitespace

B move to beginning of previous word before a whitespace

E move to end of word before a whitespace

O move to the beginning of the line

\$ move to the end of the line

^ first char

r replace a single character

x delete single characters

u undoes changes up to the last time you were in normal mode

<Ctrl + r> redo(undo your undo)

G end of file
gg Top of file
nG jump to line number n (ngg)
<CTRL + g> display the position

<Ctrl + u>, <Ctrl + b>: Page Up
<Ctrl + d>, <Ctrl + f>: Page Down
H: top of the screen
M: middle of the screen
L: low of the screen

m[key]: add a mark & store it on [key]
'[key]: jump to a mark

:q to quit
:qa quit all the windows
:q! to force quit (ZQ)
:wq to save and quit (:x) (ZZ)

Insert Mode

i

a moves the cursor after the current character and enters insert mode
o inserts a new line below the current line and enters insert mode on the new line
I moves the cursor to the beginning of the line and enters insert mode
A moves the cursor to the end of the line and enters insert mode
O inserts a new line above the current one and enters insert mode on the new line

Visual Mode

v

V make text selections by line
<Ctrl + v> block-visual: select any rectangular region
viw
vaw
~ change case

Command Mode

:

`:%s/foo/bar/g` ☐ replace all 'foo' with 'bar'
:
: Enters command mode
% Means across all lines
s Means substitute
/foo is regex to find things to replace
/bar/ is regex to replace things with
/g means global, otherwise it would only execute once per line

`:s/<old>/<new>` replace
`:%s/<old>/<new>` replace in all lines

`:h` or `:help`

Replace Mode

R

Multiple Tabs

`:tabnew <filename>` opens a new file in a new tab on Vim
`:tabn` to go to next tab (or `:gt`)
`:tabp` to go to previous tab (or `:gT`)
`:tabo` close all other tabs besides the active one

Split Screen

`:vsplit <filename>` Creates a vertical splitting. Enables you to copy-paste from one screen to another
<Ctrl + w> To cycle between screen-splits
:only close all other windows
`vim -o/-O [filepath_1] [filepath_2]`
:sp, :vsp horizontal/vertical split
<Ctrl + w + +/-> increase/decrease height
<Ctrl + w + </>> widen/narrow
<Ctrl + w + h/j/k/l> move the cursor to another window
<Ctrl + w> Resize windows automatically

Other

[action] <number> [motion]
d3w delete the next 3 words
Omitting the number defaults to once

d delete
p put / paste (below)
P paste above
y yank / copy
x cut
di delete inside*, yi : yank inside*
diw
daw

/ search below (use n/N to switch)
? search above
* search the current word below
search the current word above

% parentheses matching
:s substitute! In other words, find-replace on steroids

dd To delete the current line
yy To copy the current line

) jump forward a sentence
} jump forward a paragraph

d3j Delete the next 3 lines (including current line)
yw Copy current word — cursor is at beginning of word
yiW Copy current word — it has special characters — cursor is in the middle of the word
10j Navigate down 10 lines
di} Delete everything inside the curly brackets
2{ Go up 2 paragraphs, { is to go up a para, } is to go down a para
5p Paste the previously selected text 5 times

=G Fix indentation in the whole file, Start in the top of a file

<Ctrl + o> finds a previous position of your cursor(go back to a previous file)

:set number show number of line
:set nonumber turn off the number

<<, >>, == del/add/auto indent
. repeat the last change

!:<command> run external command
:sh open a shell
:w save
:ls file list

:e open another file
vim [filepath_1] [filepath_2]
:edit [filepath]

:bn, :bp switch to the next/previous buffer
:b[number] switch to a given buffer
:bd, :bw del/save & close the current buffer