



Command mode:

`:q` quit | `:q!` quit without saving (exit Vim) `shift - zq`
`:w` write (save files)
`:wq` save and quit `shift - zz`
`:e {name of file}` open file for editing e.g.:`e helloworld.c`
`:{number}` go to line {number}
`:help {topic}` open help e.g.:`help dd`

Press `enter/return` to execute!

Insert mode:

`i` enter insert mode
`o` / `O` insert line below / above and enter insert mode
`A` jump to the end and enter insert mode
`C` delete the rest of the line and enter insert mode

Normal mode:

Movement

Basic movement: `h`, `j`, `k`, `l` (left, down, up, right)
Words: `w` (next word), `b` (back to last word), `e` (end of next word)
Lines: `0` (beginning of line), `^` (first non-blank character), `$` (end of line)
Scroll: `Ctrl-u` (up), `Ctrl-d` (down)
File: `gg` (beginning of file), `G` (end of file)
Previous / Next paragraph: `{` / `}`
{number}G: go to line {number}
Find: `f{character}`, `t{character}`, `F{character}`, `T{character}`
Find and jump to forward/backward {character} on the current line
Search: `/ {regex}`, and then
n / N for next / previous navigating matches

Edit

`x` delete character
`r` substitute character (`R` enter Replace mode)
`u` undo, `<Ctrl-r>` to redo
`y` copy / “yank” (`d` can cut before pasting) => `yy` yank the whole line
`dd` delete or cut the whole line
`p` / `P` paste below / above
`~` flips the case of a character

Counts and Combo

You can combine nouns + verbs + number - it will repeat the verb + nouns action the number of times . e.g.
`dw` delete word, `d$` delete to end of line, `d0` delete to beginning of line
`c{motion}` change {motion} e.g. `cw` change word
`3j` move 3 lines down
`6w` move 6 words forward
`9dw` delete 9 words
`ci(` change the contents in the current pair of parentheses
`ci[` change the contents in the current pair of square brackets
`da'` delete a single-quoted string, including the surrounding single quotes

Visual modes:

It's like using mouse to select a certain area of content:

`v` enter visual mode
`V` enter visual line mode
`Ctrl-v` enter visual block mode

And then use movement keys to make selection.

And then **edits**

Useful resources:

Vimtutor in CLI

<https://vim-adventures.com/>

<https://www.vimgolf.com/>

<https://vim.fandom.com/>

<https://vi.stackexchange.com/>