VIM QUICK REFERENCE CARD

Basic movement
h l k j............. character left, right; line up, down
b w.................. word/token left, right
g e .................. beginning of next paragraph
} .................. beginning of previous, next sentence
0 gm .................. beginning, middle of line
$ .................. first, last character of line
nG ngg ............... line n, default the last, first
n% .................. percentage n of file (n must be provided)
N .................. column n of current line
% .................. match of next brace, bracket, comment, #define
nH nL ............... line n from start, bottom of window
M .................. middle line of window

Insertion & replace → insert mode
i a .................. insert before, after cursor
I A .................. insert at beginning, end of line
gI .................. insert text in first column
0 .................. open a new line below, above the current line
rc .................. replace character under cursor with c
grc .................. like r, but without affecting layout
R .................. replace characters starting at the cursor
gR .................. like R, but without affecting layout
cm .................. change text of movement command
cc=S .................. change current line
C .................. change to the end of line
s .................. change one character and insert
- .................. switch case and advance cursor
g^m .................. switch case of movement command
gum gum ................. lowercase, uppercase text of movement command
m .................. shift left, right text of movement command
n<< n>> .................. shift n lines left, right

Deletion
x X ................. delete character under, before cursor
dm .................. delete text of movement command
dd B .................. delete current line, to the end of line
J gJ ............... join current line with next, without space
:rd→ .................. delete range r lines
:rdr→ .................. delete range r lines into register x

Insert mode
'C 'Vn ............. insert char c literally, decimal value n
'A .................. insert previously inserted text
'O .................. same as 'A and stop insert → command mode
'Rz'RzRx ........... insert content of register x, literally
'N P ............... text completion before, after cursor
'W .................. delete word before cursor
'U .................. delete all inserted character in current line
'D T ............... shift left, right one shift width
Kc c2=c1-c2 ............... enter digraph \{ c1, c2 \}
'Oc .................. execute c in temporary command mode
'E X Y .................. scroll up, down
〈esc〉=' ........................ abandon edition → command mode

Copying
"x .................. use register x for next delete, yank, put
:reg→ .................. show the content of all registers
:reg x→ .................. show the content of registers x
ym .................. yank the text of movement command m
yy=Y .................. yank current line into register
p P .................. put register after, before cursor position
lp [p] .................. like p, P with indent adjusted
gp gP .................. like p, P leaving cursor after new text

Advanced insertion
g?m .................. perform rot13 encoding on movement m
n'A nX ............ ++n, --n to number under cursor
gqn .................. format lines of movement m to fixed width
:rc w→ .................. center lines in range r to width w
:rl e→ .................. left align lines in range r with indent i
:rr w→ .................. right align lines in range r to width w
!mc→ .................. filter lines of movement m through command c
:rci→ .................. filter n lines through command c
:rcr→ .................. filter range r lines through command c

Visual mode
v V 'V .................. start/stop highlighting characters, lines, block
o .................. exchange cursor position with start of highlighting
gv .................. highlighting on previous visual area
aw as aP .................. select a word, a sentence, a paragraph
ab aB .................. select a block ( ), a block { }

Undoing, repeating & registers
u U .......... undo last command, restore last changed line
.R .................. repeat last changes, redo last undo
n .................. repeat last changes with count replaced by n
qc QcQc ........ record, append typed characters in register c
q .................. stop recording
oc .................. execute the content of register c
@ .................. repeat previous @ command
*:reg→ .................. execute register c as an Ex command
:rg/p/ce→ .............. execute Ex command c on range r

Complex movement
- + ............ line up, down on first non-blank character
B W .............. space-separated word left, right
gE E .................. end of space-separated word left, right
g0 ............... beginning of screen line
B gS .................. first, last character of screen line
gk g] .................. screen line up, down
fc Fe .................. next, previous occurrence of character c
tc Tc ............... before next, previous occurrence of c
; .................. repeat last fFeT, in opposite direction
[[ ]] .................. start of section backward, forward
[] .................. end of section backward, forward
( [ ) ] .................. unclosed ( ) backward, forward
{ } .................. unclosed { } backward, forward
[m m] .................. start of backward, forward Java method
[# ]# .................. unclosed #if, #else, #endif backward, forward
[* ]* .................. start, end of */ */ backward, forward

Search & substitution
/s= .................. search forward, backward for s
/s/o= .................. search fwd, bwd for s with offset o
n w /= .................. repeat forward last search
N w /= .................. repeat backward last search
# .................. search backward, forward for word under cursor
g# g= .................. same, but also find partial matches
gd gD .................. local, global definition of symbol under cursor
:ra/f/t/x= ........... substitute f by t in range r
|x :g .................. all occurrences, c—confirm changes
:ra x→ .................. repeat substitution with new r & x
### Key mapping & abbreviations

- `:map` maps a command to another command.
- `:unmap` removes a mapping.
- `:mapc` maps a character to another character.
- `:unmapc` removes a character mapping.
- `:makview` creates a view of a file.
- `:mk` creates a new file.
- `:ab` adds a new abbreviation.
- `:una` removes an abbreviation.
- `:makview` creates a new view.
- `:loadview` loads a view.
- `:startshell` starts a shell.
- `:sh` starts a shell.

### Marks and motions

- `:mark` marks a position.
- `:go` goes to a mark.
- `:rmk` removes a mark.
- `:mkview` creates a new view.
- `:sh` starts a shell.
- `:mk` creates a new file.
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### Special characters in search patterns

- `*` matches any single character.
- `+` matches 0, 1, or more characters.
- `?` matches 0 or 1 characters.
- `()` matches a group.
- `[]` matches an atom.
- `\` escapes a character.
- `\[` starts a literal character.

### Scrolling & multi-windowing

- `:split` splits a window.
- `:vsplit` splits a vertical window.
- `:setw` sets the width of a window.
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