# VI Editor Shortcuts

### Modes in VI Editor

- \*\*Normal Mode\*\* (default) – Used for navigation and command execution.

- \*\*Insert Mode\*\* – Used for text editing (press `i` to enter, `Esc` to exit).

- \*\*Command Mode\*\* – Used for saving, quitting, and searching (press `:` in Normal mode).

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### Basic Navigation

- `h` – Move \*\*left\*\*

- `l` – Move \*\*right\*\*

- `j` – Move \*\*down\*\*

- `k` – Move \*\*up\*\*

- `0` – Move to the \*\*beginning\*\* of the line

- `^` – Move to the \*\*first non-blank\*\* character of the line

- `$` – Move to the \*\*end\*\* of the line

- `w` – Move to the \*\*next word\*\*

- `b` – Move to the \*\*previous word\*\*

- `gg` – Move to the \*\*start\*\* of the file

- `G` – Move to the \*\*end\*\* of the file

- `:n` – Move to \*\*line number `n`\*\*

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### Insert Mode Shortcuts

- `i` – Insert before cursor

- `I` – Insert at the beginning of the line

- `a` – Append after cursor

- `A` – Append at the end of the line

- `o` – Open a new line below

- `O` – Open a new line above

- `Esc` – Exit insert mode

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### Editing Text

- `x` – Delete a \*\*character\*\*

- `X` – Delete a \*\*character before cursor\*\*

- `dw` – Delete a \*\*word\*\*

- `dd` – Delete a \*\*line\*\*

- `d$` – Delete from \*\*cursor to end of line\*\*

- `d0` – Delete from \*\*cursor to beginning of line\*\*

- `D` – Delete from \*\*cursor to end of line\*\*

- `u` – \*\*Undo\*\* last action

- `Ctrl + r` – \*\*Redo\*\* an undone change

- `yy` – Copy (yank) a \*\*line\*\*

- `yw` – Copy (yank) a \*\*word\*\*

- `p` – Paste \*\*after\*\* the cursor

- `P` – Paste \*\*before\*\* the cursor

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### Search and Replace

- `/pattern` – Search \*\*forward\*\* for a pattern

- `?pattern` – Search \*\*backward\*\* for a pattern

- `n` – Repeat last search \*\*forward\*\*

- `N` – Repeat last search \*\*backward\*\*

- `:%s/old/new/g` – Replace \*\*all occurrences\*\* of "old" with "new"

- `:s/old/new/g` – Replace \*\*all occurrences\*\* in the current line

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### Working with Multiple Files

- `:e filename` – Open a \*\*new file\*\*

- `:w` – Save file

- `:wq` – Save and exit

- `:q!` – Quit \*\*without saving\*\*

- `:split filename` – Split screen \*\*horizontally\*\* and open another file

- `:vsplit filename` – Split screen \*\*vertically\*\*

- `Ctrl + w + w` – Switch between split screens

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