

Vim presentation

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Why vim?

- ▶ It is **lightweight** (Compared to IDEs/Modern text editors)
- ▶ **Multi-mode text editing** means that the shortcuts are easy to hit and remember, **NO MORE CTRL!**
- ▶ Heavily extensible with **plugins** and **personalised configs**
- ▶ **Completely keyboard driven**
- ▶ **Pre-installed on all unix systems**

Modes

Look at the bottom left of your screen

1. Normal mode: Default mode for you to input commands and move around (Hit 'Esc' in the other 2 modes)
2. Insert mode: Mode for you to type (Hit 'i' in normal mode)
3. Visual mode: Used for selecting portions of text for manipulation (Hit 'v' in normal mode)

Movement

In normal mode

- ▶ gg => top of page
- ▶ G => bottom of page
- ▶ 0 => start of sentence
- ▶ \$ => end of sentence
- ▶ w => jump from **w**ord to **w**ord
- ▶ b => jump from word to word **b**
- ▶ e => jump from **e**nd of word to **e**nd of word / or ? => forward or backward search f => **f**ind first occurrence of character
- ▶ t or a => **t**o or **a**round
- ▶ hjkl => HIGHLY UNRECOMMENDED (AND NO ARROW KEYS AS WELL)

Editing (Stay in normal)

In normal mode

- ▶ y => **y**ank (Copy), yy or Y to yank sentence
- ▶ d => **d**elete (Cut), dd to cut sentence, D to cut after your cursor
- ▶ x => Same as d but for one character only
- ▶ p => **p**aste after cursor, P to paste before cursor
- ▶ r => **r**eplace character on cursor

Editing (Jumps to insert, ie. can continue typing)

- ▶ a => **a**ppend, A to append at the end of the sentence
- ▶ s => **s**ubstitute, S to sub everything after your cursor
- ▶ c => **c**hange (Delete and continue typing), cc to change sentence, C to change after your cursor
- ▶ o => **o**pen new line, O opens a new line before the current line

How it works?

{Operator} {Count} {Motion}

Eg. d 5 w => delete 5 words from cursor Eg. y t j => yank to first j

Indenting

- ▶ `gg=G =>` Helps to indent the entire file.
- ▶ Indent manually using `<<` and `>>`

Exitting vim

- ▶ `:wq` or `ZZ` => save and quit
- ▶ `:q!` or `ZQ` => quit without saving

How to learn?

- ▶ `$ vimtutor =>` Highly recommended
- ▶ Pin cheatsheet on your browser or pdf reader
- ▶ Write post-its and paste under your monitor