



# Linux Academy

## Course Notes

Vi/Vim

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# Command Mode

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Command mode accepts commands which are usually in the form of individual letters such as **a** and **i**.

- **L** • Moves cursor one character to the right
- **H** • Moves cursor one character to the left
- **J** • Moves cursor down one line
- **K** • Moves cursor up one line
- **yy** • Yanks/copies entire line the cursor is currently on
- **2yy** • Copies the current line of text as well as the line underneath it (two lines)
- **3yy** • Copies three lines, 4yy 4 lines of text, etc.
- **p** • Pastes the contents from yanked yy text, starting on the line after your cursor
- **P** • Pastes the yanked line(s) starting on the line before the cursor
- **5G** • Moves your cursor to line 5
- **5gg** • Moves your cursor to line 5 (note case sensitive)
- **G** • Moves the cursor to the beginning of the last line in the file
- **1G** • Moves the cursor to the first line of the file
- **L** • Also moves the cursor to the beginning of the last line on the terminal screen
- **H** • Moves the cursor to the first line on the terminal screen
- **o** • Opens insert mode to insert text, creates a new line below your current cursor position
- **u** • Undo
- **cc** • Meaning “change text”; removes the “word” your cursor is on and opens insert mode
- **/** • Search, /root will search the file for root you can navigate to the next occurrence using the n key
- **?** • Is the same as / as it relates to searching

# Insert Mode

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Insert mode allows you to add/edit text inside of the file

- **i** • Insert text

- **R** • Overwrite existing text
- **cw** • Remove current word and switch to insert mode
- **cc** • Replace entire line of text

## Ex Mode

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Entire ex mode by typing **:** while in command mode.

- **:%s/user/root** • Replaces first occurrence of “user” on each line with “root”
- **:%s/user/root/g** • Replaces all occurrences of “user” with “root”
- **:w** • Save changes
- **:wq** • Save and quit
- **:q** • Quit
- **:e /file.txt** • Load new file
- **:r** • Bring contents of old file to new one
- **:!**  • Allows for the running of shell commands within vi