

VIM modes

- Command mode
 - Default mode
 - Press "Esc" to go in command mode.
- Edit mode (Insert)
 - Press "i" to go in Insert mode.
 - Edit the file.

```
# install vim
> sudo apt-get install -y vim

# launch vim
# > vim <file name>
```

create a vim configuration file (.vimrc)

- create a new file named .vimrc in your home directory
- add the configurations
- save the file

```
# create file in home directory
> vim ~/.vimrc
```

- Add command inside it

```
set number          # Set numbers to line
set autoindent      # Get new line with proper indentation
set tabstop=4       # Set Tab spaces
set smartindent     # Smart indentation
set cindent         # C language indentation
set shiftwidth=4    # set space after new line
syntax on           # Highlight syntax
set nowrap          # Continue line type
set autowriteall   # Like Auto Save
```

VIM Commands

```
- Basic
  :q      # Quit without saving
  :w      # Write into file
  :wq     # Write and Quit
  :q!     # Quit without saving
  :wqa    # Write and Quit All

- Copy commands
  yy      # copy current line
  4yy     # copy 4 lines from current line
  :3,5y   # copy line 3 to 5
  y$      # copy line after cursor
  y^      # copy line before cursor
  yw      # copy current word
  2yw    # copy two words from cursor

- Cut commands
  x       # delete single char
  dd     # cut current line
  3dd    # cut 3 lines from current line
  :5,7d   # cut line 5 to 7
  d$      # cut line after cursor
  d^      # cut line before cursor
  dw      # cut current word
  2dw    # cut two words from cursor

- Paste
  p      # paste copied contents

- Undo
  u      # undo

- Redo
  press  ctrl+R  # redo

- Find and Replace
  :s/pattern1/pattern2/
    # find and replace only first occurrence of current line
  :s/pattern1/pattern2/g
    # find and replace all occurrences of current line
  :%s/pattern1/pattern2/g
    # find and replace all occurrences of file

- Search
  /word      # search word
  n        # next occurrence of search
  N        # previous occurrence of search

- Format document
  gg=G      # format/indent document

- go to a line number
  : <line number> (press enter)
```

- go to the last line
esc + shift + g
- go to the first line
esc + gg

Create file using VIM Editor

```
$vim demo01.c          # To create file
$ls
$gcc demo01.c -o demo01.out    # To compile file
./demo01.out                # To run the code
```

Multiple File Operations in VIM

1. Open multiple files in vim
 2. Navigate between files
 3. Save and close all files
- Open multiple files in vim

```
* Open terminal
- e.g. terminal> vim file1 file2
- It opens 2 files but shows file1 so go to next file use command
  :next      # To open another file
Or
shortcut [ esc + ctrl + ww ]
:wqa        # To save all file changes and exit
```

- To open at a time Horizontally
`$vim -o file1 file2 file3`
- To open at a time Vertically
`$vim -O file1 file2 file3`
- To switch between files
- `ctrl + w`