

Vim workshop

by the CSE Club
at CSUSB

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Before there was Vim, there was ed...

ed text editor
developed by Bell
Labs for Unix

1970s

ex text editor created
by Bill Joy to be less
demanding on the
processor

1976

Vim editor written by
Bram Moolenaar and
released for public
consumption in

1991

em text editor
developed by
George Coulouris to
improve on ed

1976

ex 2.0 editor is shipped with Unix
under the name vi, the abbreviation
for the visual mode of ex

1979

Vi IMproved

A multitude of ports are available (AmigaOS, DOS, Windows, Linux, MacOS, Android, iOS)

Able to be used in either a command line or GUI environment

Can be used to edit files using network protocols like SSH and HTTP

Built-in tutorial for beginners (“vimtutor”) and help facility (“:help”)

Macros and options

A word about modes

Normal --

the default Vim mode that lets the user navigate around a text document using keys on the keyboard

Visual --

select and manipulate multiple lines of text

Insert --

allows the user to type characters into the document

Command --

run commands like :w to write the file and :s to search the file

“Vim is your **last resort** when your graphics card is not working. It’s a standard editor that you can **trust to work anywhere.**”

- Ernesto Gomez

Before you start, you should know...

This will be difficult if you don't know what **homerow** is.

Vim is **not like any other text editor**.

Vi is not Vim.

Your text editing **life will be changed** from this point forward.

“Teach them how to use Vim.”

- Kay Zemoudeh

Vim Basics

You always want to be in **normal mode**; switch to insert as needed with **i**. Press **<ESC>** to go back to normal mode.

Use the **keyboard keys h, j, k, and l to navigate** around (no arrow keys).

The dot (**.**) key **repeats the last** completed **command**.

Combine a number with any editing or movement combination.

Save your file with **:w** and quit with **:q**.

Force a command with a bang (**!**).

A close-up shot from the movie Inception showing Leonardo DiCaprio as Dom Cobb. He is looking down with a serious expression. Another man's face is partially visible on the right side of the frame, looking towards DiCaprio. The scene is dimly lit with warm, golden light.

WE NEED TO GO

DEEPER

memegenerator.net

Configuring your Vim interface

`.vimrc` file is the configuration file for the Vim interface.

Edit this to give yourself `macros`

Configure `display options` like:

`Tabs`

`Colorscheme` and `Syntax Highlighting`

`Line Numbers`

`VimScript`

Sample .vimrc file

github.com/JoshMarsden/dotfiles

Vim Plugins

Vundle plugin manager: github.com/VundleVim/Vundle.vim

Vim plugin list: vimawesome.com

CtrlP (Fuzzy file searching plugin)

Syntastic (Syntax checking for Vim)

NerdTree (Directory Tree Sidebar)

Vim Learning Resources

<http://www.openvim.com/>

<http://www.vimgenius.com/>

https://www.youtube.com/watch?v=rfl9KQb_HVk (Learn to love Vim)

<https://vimeo.com/album/2838732> (watch instead of reading manuals)

https://www.youtube.com/watch?v=_NU04JEtkDw (learn Vim in a week!)

<http://www.vimcasts.org>

<http://www.upcase.com/vim>

<https://github.com/jmoon018/PacVim> (PacMan Vim Learning Tool)