Vim workshop
by the CSE Club
at CSUSB

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

<u>V</u>i <u>IM</u>proved

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
```

is not working. It's a standard editor that you can trust to work anywhere."

"Vim is your last resort when your graphics card

- 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.

- Kay Zemoudeh

"Teach them how to use Vim."

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.

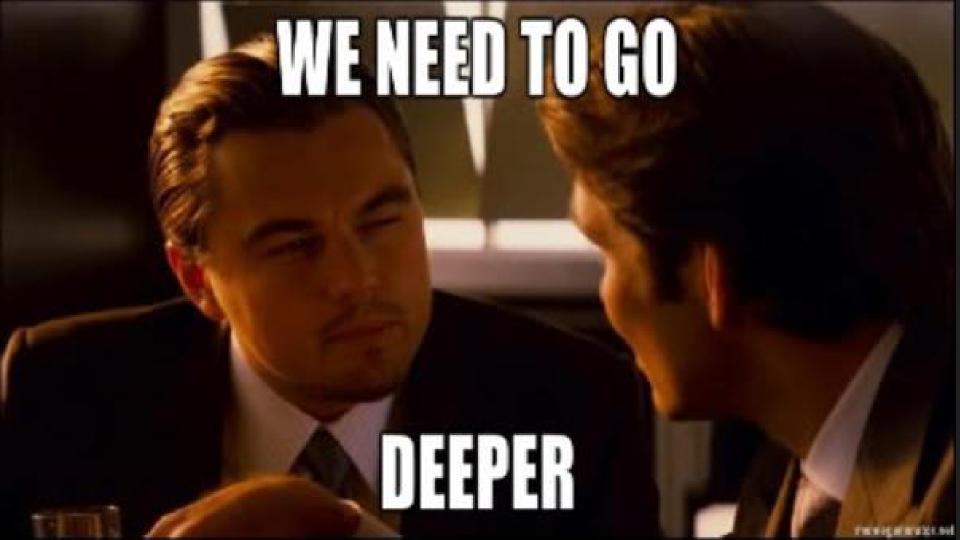
Use the keyboard keys h, j, k, and l to navigate around (no arrow keys).

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 (!).



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= NUO4JEtkDw (learn Vim in a week!)
http://www.vimcasts.org
http://www.upcase.com/vim
```

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