<3 w/ **vi**[m]

180976

rules for the session ...

#1 thanks for your time! this session may go up to 2 hour

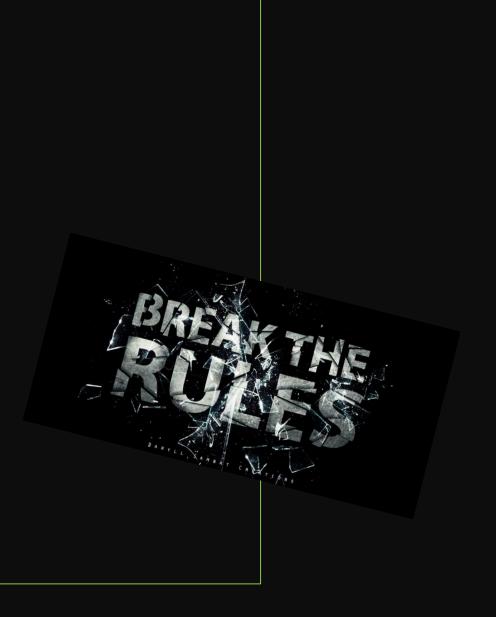
grab your drinks/snacks

#2 no recording plz turn-off the recording
 recording leads less interaction
 no playback - so sharp your focus

#3 ask more questions ; there's no dumb qn

#4 i'll share this slides later

#5 contents/screenshots/memes
 created by self
 fully copyleft; feel free to share/reuse



myth vs truth

hey kesavan, stop your nonsense - why i've to love this old vim ?

- i've 21st century modern editors with GUI graphics
- vim is old ; vim is so bore ; vim is complex
- quitting vim is impossible
- vim is colorless
- vim users are hackers
- vim triggers suicide thinking;

you should love vim, because

- 🖌 vim cares you
- ✓ vim makes your life better
- ✓ vim is so powerful
- vim is solid; elder to GNU/Linux
- ✓ vim is colorful
- \checkmark vim makes you a better dev &
- \checkmark to become a hacker, you must be a dev



designed by myself! License : copyleft
(3)Kesavan Muthuvel

checklist - my assumption

🗖 vim8

✓ on your TUI terminal user interface - GNU/Linux
✓ on your GUI graphical user interface - Windows

Dasic OS skill

✓ familiar with novice commands: cd ls cp mv rm on TUI
 ✓ file navigation & management over explorer on GUI

□That's it; □You're admitted!

vim is everywhere!

yes,

- \checkmark vim is on every kitchen
- ✓ and on every GNU/Linux distro
- ✓ BSD's, Solaris, *nix or whatever most server runs on...

to start w/ vim

- ✓ go to your kitchen \$home terminal
- command `vim`



welcome onboard ... seat belt please

#1 terminal lovers are [cr|1]azy ; so be crazy & lazy .. few commands/terminology

- concatenate cat
- list ls
- mark bookmark

#2 vim has **3 modes** or 2 modes or I-don't-know honestly ; but

- a) always **ESC**ape to get into **normal** file is read only
- b) key in **i/a/o** for **insert/append/open** file ready for write
- c) :command from normal

- follow the command

```
#3 if vim is not listening you, enforce it !
       ! - don't ask me any question
       ! - don't report any error/waring
       ! - just ( do-or-die )
```

```
examples
```

```
w! - force write
bd! - force buffer delete
```

q! - quit vim, no questions

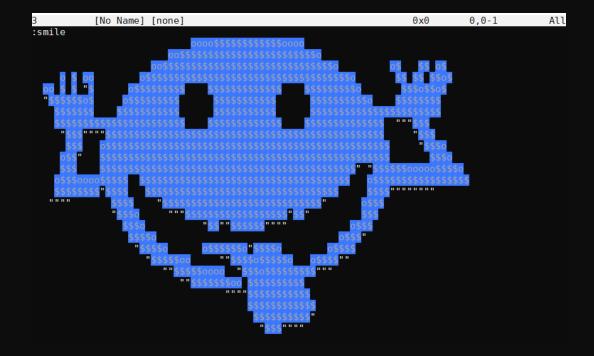
#4 " - is for commenting in *vim* world :e - (re)load / (e)dit - in case if you need to reload

:part #1 "basics

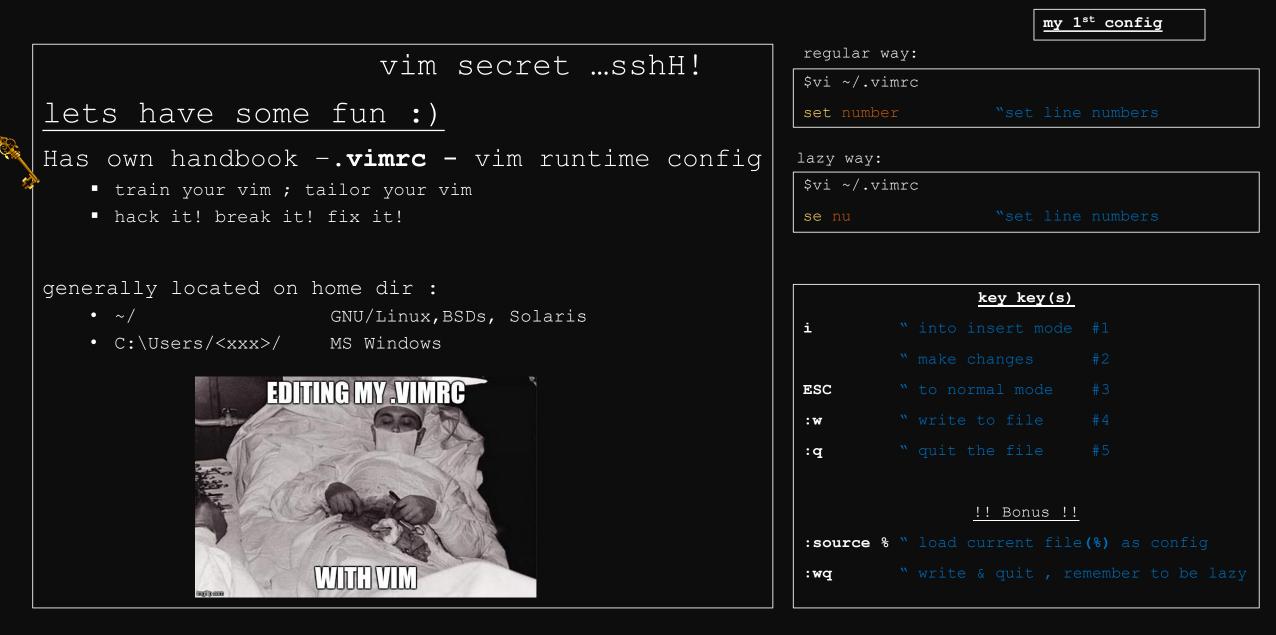
- 1. smile always
- 2.go to ground
- 3. play the game
- 4. guard your data
- 5. enjoy the break

start w/ smile 🟵

:smile "makes you happy



go to the ground: ~/.vimrc



zzi mra nlav the dame

play the game	~/.VIMIC	recipe secret
"key stuff set number set nocompatible	" set line numbers " use vim defaults (much better!) " sous bistory	sshH!
set history=500 set bs=2	" save history " allow backspace	little more fun !
set laststatus=2 syntax on	" show status line in 2 last rows " turn on syntax	
<pre>set directory=~/.vim/tmp set undodir=~/.vim/undo-dir set undofile</pre>	" tell vim where's the tmp dir " and also history of changes " track my changes	as easy as dosa ✓ preheat tawa ✓ spread wet mixed flour ✓ stretch to near round
"search		✓ sprinkle oil✓ pack when golden color
set hlsearch	" highlight the search results	· pack when golden color
set incsearch	" incremental the search results	
set ignorecase	" ignore case ; include all cases	search tips
<pre>set smartcase "file encoding & type def set enc=utf-8 set fileencoding=utf-8 set fileencodings=ucs-bom,utf8, set paste</pre>	prc	<pre>/ search pattern forward ? search pattern backward n next occurrence N previous occurrence # find word under cursor forward * find word under cursor backward</pre>
filetype on filetype plugin on filetype indent on		
" stop insert asap autocmd VimEnter * stopinsert set noinsertmod	" stop insert mode when enter " normal mode than insert	

they're watching ...

people love to watch on other's room. keep your data away from preying eyes. Want to share secret files over mail to colleagues but not to company ?

soln: always follow `x` when comes secret

\$vi -x my secret.txt # from terminal

:X "from vim

[de|en]crypt files using vim's own algorithm.

• share the key to your friend; unlock w/ the private key
• warning: not a strong algorithm; breakable; fair to use

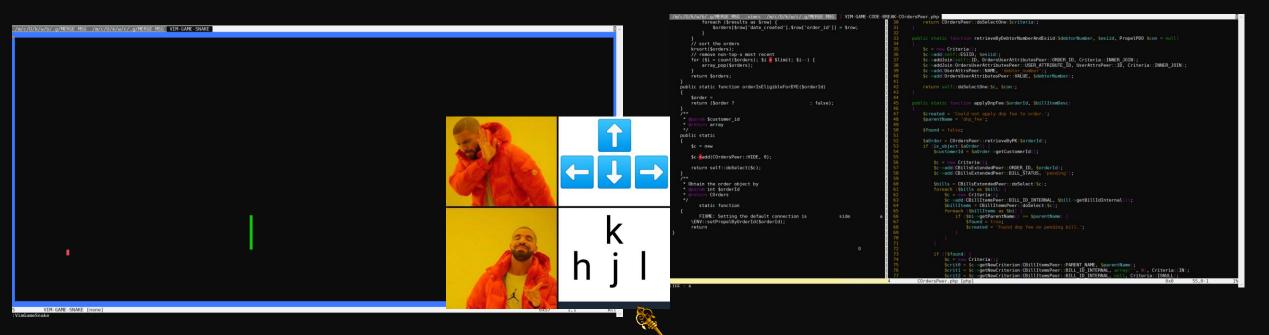
breaktime... or plugin time!

#1 add a plugin manager ; below is my fav download plug.vim & place under `autoload' dir inside ~/.vim dir

#2 that's it! restart vim ;

```
#3 check your plugin manager
:PlugInstall
:VimGame...
```

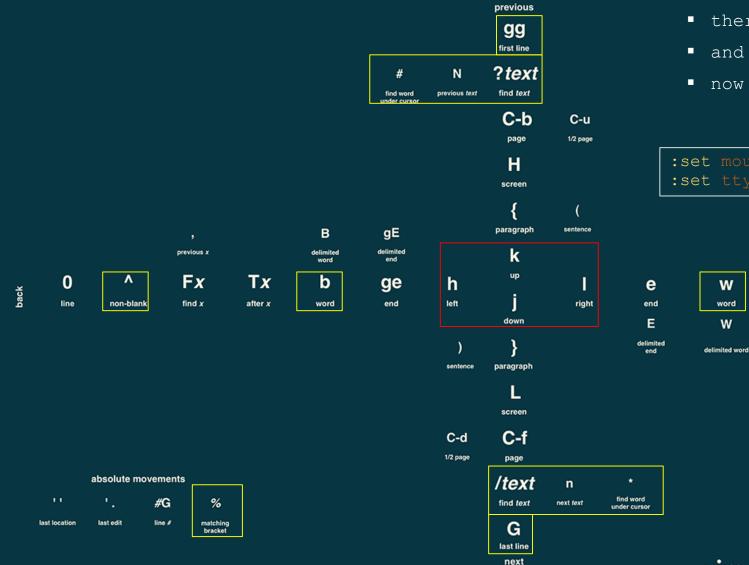
<pre>call plug#begin('~/.vim/plugged')</pre>		
Plug 'johngrib/vim-game- snake' "	90kids	game
Plug 'johngrib/vim-game- code-break'		
call plug#end()		



:part #2 "keys, strikes, xUI, candies

- 1. little cute mice
- 2. mark' thy words
- 3. registers" thy clips
- 4. color the rainbow
- 5. terminal vs vim

keyboard or mouse?



vim keyboard, but never hate little mouse

- there's no mouse in era of vim
- and people were happy with keyboard
- now start practice w/ highlighted keys

:set mouse=a " vim loves keyboard, but never mouse :set ttymouse=sgr " and this is modern mouse



vim - movement commands

next x



mark' thy words

always, <i>mar<u>k</u> yo</i>	ur words - ~ bookmarks	 Ubuntu 18.04 61 pot directory/ vim/tmp 	- 🗆 X
	list all your bookmarks	<pre>61 set directory=~/.vim/tmp 62 63 " stop insert asap 64 autocmd VimEnter * stopinsert 65 set noinsertmode 66 67 "key stuff 68 set number 69 set nocompatible 70 syntax on</pre>	<pre>^ " use vim defaults (much better!) " turning on syntax</pre>
	mark a buffer position w/ a char	71 72 "search k 73 set ignorecase 74 set hlsearch 75 set incsearch	
X " single qu	lote: jump to line – marked as 🗙	76 <u>set</u> ignorecase 77 <u>set</u> smartcase	
X " backtick:	same above but jump to line + col	NORMAL > PASTE /home/kesavan/.vim <m utf-8[<br="">marks mark line col file/text</m>	unix) 🕻 48% %:/3/149[] %:1 👘 [18]tra…
	a-z "local marks A-Z "global marks	<pre>' 11 0 "impressing ui ' 11 0 "impressing ui f 54 0 set mouse=a k 73 0 set ignorecase u 13 0 set number H 77 14 ~/.bashrc U 18 15 "colorscheme solarized "desert so" 0 10 0 ~/.bashrc</pre>	larized breezy
Plug 'kshenoy/vim-s	ignature' " enjoy visual marks 😊	1 26 0 ~/.bashrc 2 27 0 ~/.bashrc 3 18 43 "colorscheme solarized "desert so	larized breezy larized breezy larized breezy
		8 115 0 0 0 0 9 115 0 0 0 0 0	
jumps - sometime people	land nowhere & lost their way	[11 0 "impressing ui] 11 0 "impressing ui	
`.	" jump to last position	117 40 Plug 'RRethy/vim-illuminate'^I"high 11 0 "impressing ui Press ENTER or type command to continue_	light
CTRL-o & CTRL-i	" jump to old/new position		
:jumps	" show all my way to past		

register" thy clips

Don't forget	<i>register</i> sweet memories - ~ clips
:registers :reg	"list all your clips "lazy version
	" last copied content
0-9 a-z	" deleted registers " user named registers
"fy "xp	" yank selection into f NORM MODE " paste contents from x NORM MODE
ctrl-r 5	" paste contents from 5 INS MODE
	In VIM world , it's y ank & p aste
Plug 'junegunn/	vim-peekaboo' " enjoy visual registers 😊





extra slide at the appendix on registers. Yank/paste person? you'll find all your fav shortcuts

🧿 Ubunt	u 18.04				_		×
42 tal 43 44 45 46 47 48 49 50 51 52 53 53 57 57 58 57 57 58 57 57 58 57 59 60 61 59 63 64 61 55 59 64 65 57 59 64 67 55 58 57 50 59 50 57 50 57 58 50 57 57 50 57 50 57 57 50 57 57 58 50 57 57 59 50 57 57 59 50 57 57 59 50 57 57 50 57 57 50 57 57 50 57 57 59 50 57 57 59 50 57 57 59 50 57 57 59 50 57 57 50 57 57 59 50 57 57 59 50 57 57 59 50 57 57 59 50 57 57 59 50 57 57 59 50 57 57 59 50 57 57 59 50 57 50 57 57 59 50 57 50 57 50 57 57 59 50 57 50 57 50 57 57 57 50 57 57 59 50 57 50 57 57 59 50 57 50 57 59 50 57 50 59 50 57 57 57 57 57 57 57 57 57 57 57 57 57	<pre>.bashrc > t g:airline#extensions#tagbar#e b ball t mouse=a t ttymouse=sgr reserve & restore session utocmd! VimLeave * mksession! atically save the session when utocmd! VimEnter * source ~/Ses atically load the session when utocmd! VimLeavePre * mksession! t directory=~/.vim/tmp stop insert asap tocmd VimEnter * stopinsert t noinsertmode ey stuff t number t nocompatible vim defaults (much better!) ntax on ing on syntax earch t ignorecase t hlsearch t incsearch</pre>	leaving Vim sion.vim entering vim	"Aut "Aut " us " tu	<pre>Special: ": ^[^[^[^[^[^[^[^[^[^[^[^[^[^[^[^[^[into-</pre>	van/.v van/.b ^[gunn/v top in racula heckwi	ashrc im-peeł sert as ^@ nsize^@	kabo sap^
~/.vimr		48% \:73/149[]	ĥ:1	N > PASTE	[Scra	tch]	~

colors & candies - enjoy the rainbow

vim is vibrant & colorful - let's add color to rainbow

curved fonts + colorful theme + right config = beautiful vim

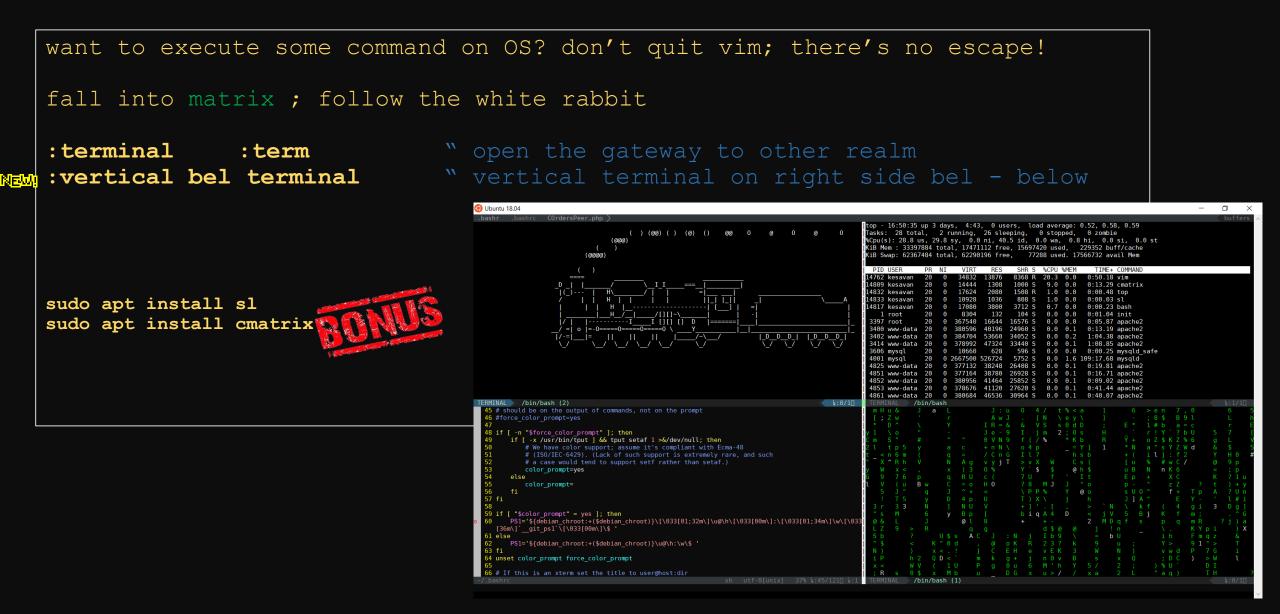
```
set t Co=256
set guifont=DejaVu\ Sans\ mono:h9
syntax enable
colorscheme desert
set cursorline
set colorcolumn=80
Plug 'RRethy/vim-illuminate' " illuminate the variables
Plug 'vim-airline/vim-airline'
Plug 'vim-airline/vim-airline-themes'
Plug 'altercation/vim-colors-solarized'
Plug 'fneu/breezy'
Plug 'dracula/vim'
tweaks for OS:
$sudo apt install fonts-powerline
```

```
if exists(":AirlineRefresh")
:AirlineRefresh
endif
```

```
let g:airline_theme='breezy' " gruvbox simple seagull
let g:airline_powerline_fonts = 1
let g:airline section b = '%{getcwd()}'
```

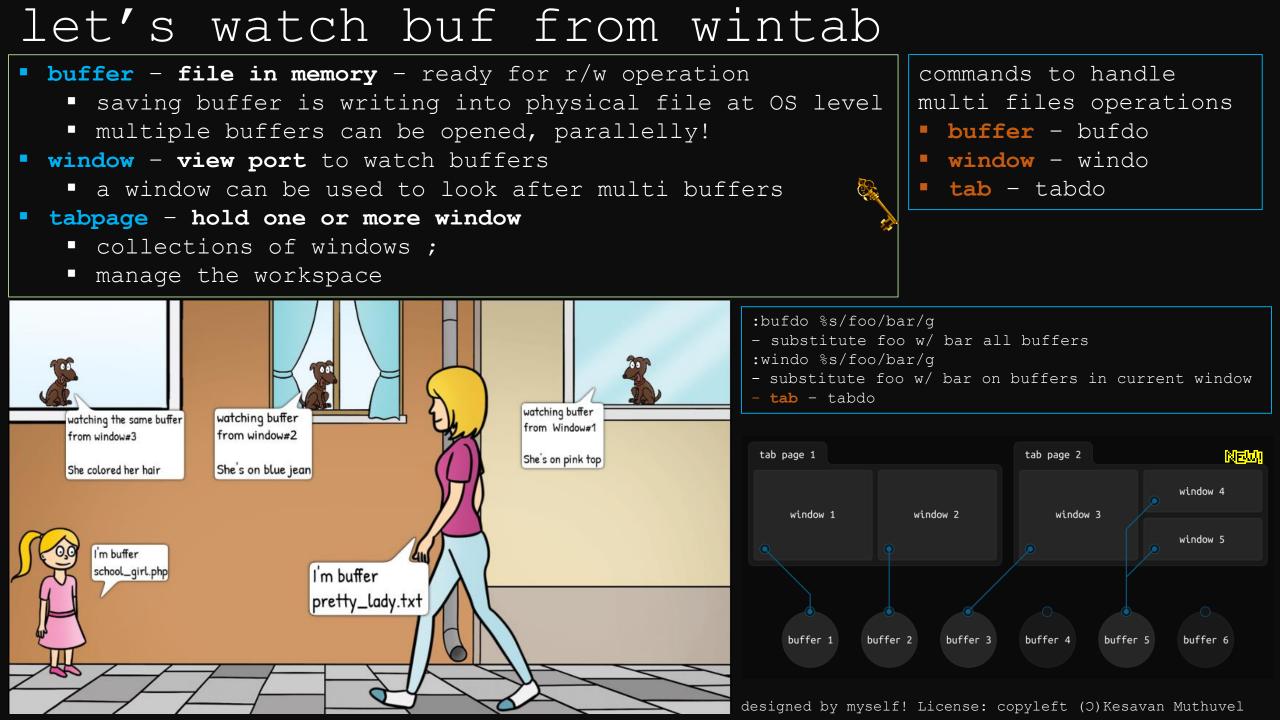
"TABLINE:

```
let g:airline#extensions#tabline#enabled = 1
let g:airline#extensions#tabline#tabs_label = 'tabs'
let g:airline#extensions#tabline#buffers_label = 'buffers'
let g:airline#extensions#tabline#fnamemod = ':t'
let g:airline#extensions#tabline#show_tab_count = 1
let g:airline#extensions#tabline#show_buffers = 1
let g:airline#extensions#tabline#tab_min_count = 1
let g:airline#extensions#tabline#show_splits = 1
let g:airline#extensions#tabline#show_tab_nr = 1
let g:airline#extensions#tabline#show_tab_type = 1
let g:airline#extensions#tabline#show_tab_type = 1
let g:airline#extensions#tabline#show_tab_type = 1
```



:part #3 "buffers windows tabs

- 1. watch the street
- 2. handle more buffers
- 3. break the windows
- 4. fix with tabs
- 5. save your space



handle more w/ buffers; yes, you can!

buffer - file in memory - ready for r/w operation

\$vi abc.txt xyz.php pq.js # handle more files \$vi * # load all files

:buffers :ls :files - list all buffers w/ <id>

- :bn[ext] buffer next
- :bp[revious] buffer previous
- :bf[irst]/bl[ast] buffer first/last
- :b xy

:b#

- buffer xy.php; w/ auto-complete
- buffer w/ id

break the windows

window -	just a view port to look over k	ouffe	r	
- cl	osing window doesn't close the	buff	er	
– bu	ffer still loaded on vim			P
window com	mands are starts with ctrl-w			
C-W S C-W V C-W W C-W >< C-W +-	 split window horizontally split window vertically switch to other window (clockwise) adjust the horizontal width adjust the vertical height 	:spli :vspl	t :sp it :vs	
c-w q	- quit the window	:quit	q	
C-M O	- quit all windows, keep this only	:only	:on	
•windo	- execute commands on all open wi	ndows	<u>exercise</u> #t	odo Odo
• ₩ ±1140	execute commands on arr open wr			vertical terminal vertical terminal

w/ vi[m]

fix w/ tabs

tab page - collection of windows & buffers

- grouping mech to keep one tab for related files
- tab is more GUI friendly; your mice love tabs

:tab ball " open all buffers in separate tabs*
:tabo " tabs into buffers

- :tabs
- :tabnew
- :tabnext
- :tabp[revious]

- list all open tabs
- open new tab page
- tab page next
- tab page previous

:set tabpagemax=99 "allow more tabs

save your workspace

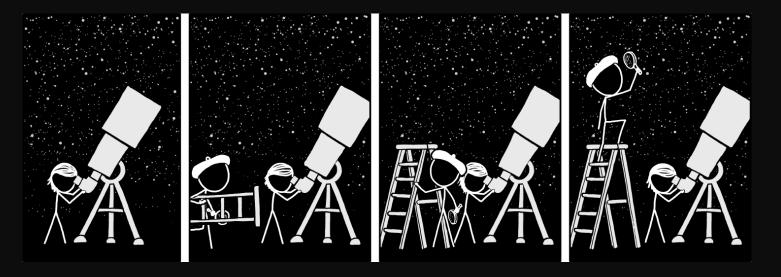
✓keep all your opened tabs & windows layouts ✓reload all previous settings for buffers/vim

:mksession ~/Session.vim "make session -~/Session.vim :source ~/Session.vim "load session

much useful in GUI; for 2K kids who look for modern experience

```
autocmd! VimLeave * mksession!
autocmd! VimEnter * source ~/Session.vim " load the session when entering
autocmd VimLeavePre * mksession!
```





:part #4 "explore, travel, search, repeat

- 1. explore local ground
- 2. discover external space
- 3. fuzz the finder
- 4. grep goes rip
- 5. travel against time

xkcd.com/1522 CC

explore the world

handling multiple jobs? busy w/ high demand ?

always explore outside world from vim with:	! does reverse when comes with exploring
<pre>:Ex - tmp explore & work in existing window</pre>	:Ex! - :Ex in vertical split
:Sex - tmp explore & work in new horizontal window	:Sex! - same of :Sex, but vertical
:Vex - tmp explore(left) & work in vertical window	:Vex! - right :Vex
:Lex - permanent explorer on Left - modern look	:Lex! - keep it R ight
:Tex - quick mode - tab version	:Tex! - NOT Allowed
:Rex - Return to explorer	:Rex! - NOT Allowed

:help Explore

:[N]Hexplore[!] :[N]Lexplore[!] :[N]Sexplore[!] :[N]Vexplore[!]	[dir] [dir] [dir] [dir] [dir]	Explore directory of current file Horizontal Split & Explore Left Explorer Toggle Split&Explore current file's directory Vertical Split & Explore Tab & Explore Return to/from Explorer	:Explore :Hexplore :Lexplore :Sexplore :Vexplore :Texplore :Rexplore
:Nexplore	ġ		:Nexplore :Pexplore

discover external space

1:.vimrc 🖉 5:canvas.patch ≣ > 7:file.csv ≣ > 8:config.ders-cms.php ♥ > 9:

1:.vimrc 🗡 > 5:canvas.patch ≣	> 7:file.csv ≡ > 8:config.ders-cms.php ⇔ > 9:
u clean_duplicate_orders.dif	
≣ cmatrix.log	97
🍬 composer-setup.php	98 let g:airline_powerline_fonts = 1
≡ composer.phar*	<pre>99 let g:airline_section_b = '%{getcwd()}</pre>
<pre> config.ders-cms.php* </pre>	100
COrdersPeer.php*	101 let g:airline#extensions#tabline#enabl
≡ ctags-5.8.tar.gz	102 let g:airline#extensions#tabline#buffe
≣ file.csv	103 let g:airline#extensions#tabline#buffe
■ GoDaddySecureCertificateAu	104 let g:airline#extensions#tabline#fname
GoDaddySecureCertificateAu	105 "let g:airline#extensions#tabline#fnam
GoDaddySecureCertificateAu	106
<pre> presenting.vim.md* </pre>	107
≡ q1.csv	108 "let g:airline#extensions#tabline#buff
≡ q1.sql	109 "let g:airline#extensions#tabline#tabs
<pre>quick.sh*</pre>	110 "let g:airline_theme='breezy'
V Session-tabs.vim	<pre>111 "let g:airline#extensions#tabline#fnam</pre>
<pre> V Session.vim </pre>	<pre>112 "let g:airline#extensions#tabline#show</pre>
<pre>Session.vim.6.11</pre>	<pre>113 "let g:airline#extensions#tabline#show</pre>
<pre>Session.vim.6.11b</pre>	<pre>114 "let g:airline#extensions#tabline#tab_</pre>
<pre>Session.vim.X</pre>	115 "let g:airline#extensions#tabline#show
<pre>Session.vim.X</pre>	116 "let g:airline#extensions#tabline#show
≣ sl.log	,vimrc
<pre>sp_remove_customer_data.sq</pre>	
≣ startall	
<pre> test.delme test.delme </pre>	5 /**
• tmp.php	6 * Skeleton subclass for performing o
≣ tmp.php.bk	7 *
≡ tmp.php.bk2	8 * 9 *
≣ trust.gpg.zip	
<pre> views.sql vim typeccript* </pre>	
<u>≡ vim-typescript*</u>	
	12 * long as it does not already exist
~ /home/kesavan	
NERDTree Menu. Use j/k/enter, o	COrdersPeer.php r the shortcuts indicated
<pre>> (!)Execute file</pre>	
(a)dd a childnode	
(m)ove the current node	

another better tool to discover more stuff - **NERDTree**

Plug 'preservim/nerdtree'	¥¥.	explorer
Plug 'ryanoasis/vim-devicons'	TT	icons
autocmd BufWinEnter * silent NERDTreeMirror	TT	mirror it

- O open file in new buffer
- t open file in new tab

m

в

- s open file vertical split
- i open file horizontal split

✓ file management made easy
✓ multiple files ? no problem
✓ love visualization? yes it is!
✓ (B)ookmark those key files

" menu offers quick file operations! " show bookmarks

! tip

:Bookmark " bookmark the file within NerdTree

(d)elete the current node
(c)opy the current node

print (p)ath to screen

(l)ist the current node

Run (s)ystem command in this directory

fuzzy find Ctrl-P

Ctrl-P - unlock the MRUs/buffers/files ... index'm all

	🗞
Plug 'ctrlpvim/ctrlp.vim' " Ctrl-P	ctrl-p " open the fuzzy finder
	ctrl-o " open file ctrl-t " open file in new tab ctrl-z " (un)mark to open multi file:
<pre>> application/reports/AlbertaNewOrdersPlacedReport.php > application/reports/UpdatedOrdersPlacedDeReport.php > application/reports/IqorNewOrdersPlacedReport.php > application/reports/OrdersPlacedBureauReport.php > application/reports/OrdersPlacedDeReport.php</pre>	

files 🔪 buf 🕨 <-> mru

>>> OrdersPla

ctrl-b or ctrl-f - " switch between buffers/mru/files " mru : most recent used



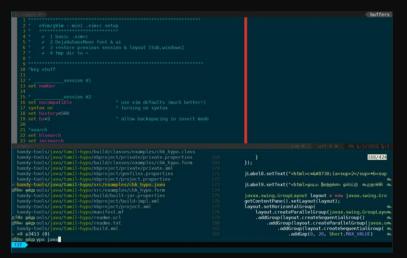
grep vs vimgrep vs rg ... fzf!

Vim has it's own search tool - vimgrep/vimgrepadd

/findme /[cC]Order

"search & highlight the pattern :% s/idly/dosa/gc "substitute idly with dosa

:execute "bufdo vimgrep /needle/ %" | copen " search & pop in quick list :cexpr [] :cclose or :q (from quick-list)



NEW Plug 'jeetsukumaran/vim-buffersaurus' " lets grep the needle, easy/lazy :Bsgrep <pattern>

```
try ripgrep(rg) - faster than grep. Also install bat over cat
$sudo add-apt-repository ppa:x4121/ripgrep # from terminal
$sudo apt install bat ripgrep
                                                                 :Files " find for files
"get that rocket engine
```

Plug 'junegunn/**fzf**.vim' " fzf <3 vim Plug 'junegunn/fzf', { 'do': { -> fzf#install() } } " fzf binary :Rg " find in files :Buffers " list :buffers

travel against time

Vim has built-in time machine , yes!

You can forward to your past or back to future as you want. All you need is to ensure you've **undodir** & **undofile** set in place

:earlier	30s	" forward to past 30 sec
:later	1h	" back to future 1 hour
:ea	5d	" forward to past 5 days
:lat	7f	" move to 7 th future state
s/m/h/d - sec/min	, <u>+</u>	f - file writes

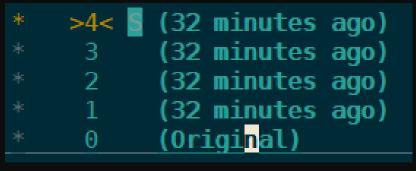


Plug 'mbbill/undotree'
:UndotreeShow

" travel time " reborn in past

short form

" time machine - it's already there
set undodir=~/.vim/undo-dir
set undofile



:part #6 "vim-as-an-ide"

- 1. repeat some nonsense
- 2. compare that data
- 3. edit it vertically
- 4. view the x-ray
- 5. vim as debugger

repeat those nonsenses

	1:delme.sql+ 8 buffer
macro - record this ; play forever	1 1 INSERT INTO X VALUES ('ABC') 1 INSERT INTO X VALUES ('ABC') 2 3 INSERT INTO X VALUES ('ABC') 3 3 INSERT INTO X VALUES ('ABC') 3 4 INSERT INTO X VALUES ('ABC') 4 5 INSERT INTO X VALUES ('ABC') 4 6 INSERT INTO X VALUES ('ABC') 5 6 INSERT INTO X VALUES ('ABC') 6 7 INSERT INTO X VALUES ('ABC') 7 8 INSERT INTO X VALUES ('ABC') 1 9 INSERT INTO X VALUES ('ABC') 1 10 INSERT INTO X VALUES ('ABC') 1 11 INSERT INTO X VALUES ('ABC') 1
:q{your letter}{series of commands}q	8 INSERT INTO X VALUES ('ABC') 9 INSERT INTO X VALUES ('ABC'); 90 INSERT INTO X VALUES ('ABC') 9 INSERT INTO X VALUES ('ABC'); 10 INSERT INTO X VALUES ('ABC') 10 INSERT INTO X VALUES ('ABC'); 11 INSERT INTO X VALUES ('ABC') 11 INSERT INTO X VALUES ('ABC'); 12 INSERT INTO X VALUES ('ABC') 12 INSERT INTO X VALUES ('ABC'); 13 INSERT INTO X VALUES ('ABC') 13 INSERT INTO X VALUES ('ABC'); 14 INSERT INTO X VALUES ('ABC') 14 INSERT INTO X VALUES ('ABC'); 15 INSERT INTO X VALUES ('ABC'); 15 INSERT INTO X VALUES ('ABC');
	16 INSERT INTO X VALUES ('ABC') 16 INSERT INTO X VALUES ('ABC'); 17 INSERT INTO X VALUES ('ABC') 17 INSERT INTO X VALUES ('ABC'); 18 INSERT INTO X VALUES ('ABC') 18 INSERT INTO X VALUES ('ABC'); 19 INSERT INTO X VALUES ('ABC') 19 INSERT INTO X VALUES ('ABC'); 20 INSERT INTO X VALUES ('ABC') 20 INSERT INTO X VALUES ('ABC'); 21 INSERT INTO X VALUES ('ABC') 21 INSERT INTO X VALUES ('ABC'); 22 INSERT INTO X VALUES ('ABC') 22 INSERT INTO X VALUES ('ABC'); 23 INSERT INTO X VALUES ('ABC') 23 INSERT INTO X VALUES ('ABC');
to record: q <alphanum></alphanum>	24 INSERT INTO X VALUES ('ABC') 24 INSERT INTO X VALUES ('ABC'); 25 INSERT INTO X VALUES ('ABC') 25 INSERT INTO X VALUES ('ABC'); 26 INSERT INTO X VALUES ('ABC') 26 INSERT INTO X VALUES ('ABC');
to stop : q to quit	20 INSERT INTO X VALUES ('ABC') 20 INSERT INTO X VALUES ('ABC'); 28 INSERT INTO X VALUES ('ABC') 27 INSERT INTO X VALUES ('ABC'); 28 INSERT INTO X VALUES ('ABC') 28 INSERT INTO X VALUES ('ABC'); 29 INSERT INTO X VALUES ('ABC') 29 INSERT INTO X VALUES ('ABC'); 30 INSERT INTO X VALUES ('ABC') 30 INSERT INTO X VALUES ('ABC'); 31 INSERT INTO X VALUES ('ABC') 30 INSERT INTO X VALUES ('ABC'); 32 INSERT INTO X VALUES ('ABC') 32 INSERT INTO X VALUES ('ABC'); 33 INSERT INTO X VALUES ('ABC') 33 INSERT INTO X VALUES ('ABC'); 34 INSERT INTO X VALUES ('ABC') 33 INSERT INTO X VALUES ('ABC');
apply on lines matching pattern :g/pattern/normal! @a	35 INSERT INTO X VALUES ('ABC') 36 INSERT INTO X VALUES ('ABC'); 36 INSERT INTO X VALUES ('ABC'); 37 INSERT INTO X VALUES ('ABC'); 36 INSERT INTO X VALUES ('ABC'); 36 INSERT INTO X VALUES ('ABC'); 36 INSERT INTO X VALUES ('ABC'); 37 INSERT INTO X VALUES ('ABC'); 36 INSERT INTO X VALUES ('ABC'); 37 INSERT INTO X VALUES ('ABC'); 36 INSERT INTO X VALUES ('ABC'); 37 INSERT INTO X VALUES ('ABC'); 36 INSERT INTO X VALUES ('ABC'); 37 INSERT INTO X VALUES ('ABC'); 36 INSERT INTO X VALUES ('ABC'); 37 INSERT INTO X VALUES ('ABC'); 36 INSERT INTO X VALUES ('ABC'); 37 INSERT INTO X VALUES ('ABC'); 38 INSERT INTO X VALUES ('ABC'); 39 INSERT INTO X VALUES ('ABC'); 30 INSERT INTO X VALUES ('ABC'); 31 INSERT INTO X VALUES ('ABC'); 35 INSERT INTO X VALUES ('ABC'); 36 INSERT INTO X VALUES ('ABC'); 37 INSERT INTO X VALUES ('ABC'); 37 INSERT INTO X VALUES ('ABC'); 38 INSERT INTO X VALUES ('ABC'); 39 INSERT INTO X VALUES ('ABC'); 30 INSERT
apply on next 100 lines :100@a	38 INSERT INTO X VALUES ('ABC') 37 INSERT INTO X VALUES ('ABC'); 39 INSERT INTO X VALUES ('ABC') 38 INSERT INTO X VALUES ('ABC'); 39 INSERT INTO X VALUES ('ABC') 39 INSERT INTO X VALUES ('ABC'); 40 INSERT INTO X VALUES ('ABC') 40 INSERT INTO X VALUES ('ABC'); 41 INSERT INTO X VALUES ('ABC') 40 INSERT INTO X VALUES ('ABC');
apply on from lines 34-65 :43,65normal! @a	
apply on all lines :%norm! @a	sample#1: append ; at EOL
	recording - qt\$A; <esc>q</esc>
to record: q <alphanum> actions q</alphanum>	playing - 2,\$norm! @t
	<pre>sample#2: delete empty lines</pre>
to repeat: :norm! @ <alphanum> 🗞</alphanum>	recording – :qx dd <esc>q playing – :g/^\$/norm! @x</esc>

vimdiff - always compare & decide

looks alike ? compare before choose!

always <u>compare</u>

\$vim -d abc.txt abcd.txt

] C	-	next		
[C	-	prev	di	ff
do	-	diff	ok	otain
dp	-	diff		
zi	—	togg]	Lē	fold

windo :diffthis windo :diffupdate

set t Co=1 " if there's too much color

hl	DiffAdd	cterm=BOLD	ctermfg=NONE	ctermbg=22
hl	DiffDelete	cterm=BOLD	ctermfg=NONE	ctermbg=52
hl	DiffChange	cterm=BOLD	ctermfg=NONE	ctermbg=23
hl	DiffText	cterm=BOLD	ctermfg=NONE	ctermbg=23

🛃 L179	83.na.directenergy.corp - PuTTY			- 🗆 X
510 511	<pre>1 2:~/COrdersPeer.php+ * X < 1:c/b/c/c/o/COrders ENV::setPropel(\$h);</pre>	Peer.	php 890 891	<pre>2:~/COrdersPeer.php+ * buffers tab 2/3 * ENV::setPropel(\$h);</pre>
	<pre>+295 lines: if (!is_numeric(\$key) && strlen(\$key) switch (\$applicationType) { case self::APPLICATION_TYPE_PEACE: return 'debtor_number'; case self::APPLICATION_TYPE_POWER2GO: verture incoment iddi: return incoment i</pre>	+		<pre>+295 lines: if (!is_numeric(\$key) && strlen(switch (\$applicationType) { case self::APPLICATION_TYPE_PEACE: return 'debtor_number'; case self::APPLICATION_TYPE_POWER2 return 'dependent idu;</pre>
811 812 813 814 815 816	return 'payment_id'; case self::APPLICATION_TYPE_DISCOVERY; case self::APPLICATION_TYPE_SAP: return 'utility_account_number'; default: throw new InvalidArgumentException('		1191 1192 1193 1194 1195	return 'payment_id'; case self::APPLICATION_TYPE_DISCOV return 'utility_account_number default: throw new InvalidArgumentExcep
817 818 819	} } +324 lines: *		1196 1197 1198	}
			~ ~ ~ ~	
			~ ~ ~	
		 		STE >> <corderspeer.php[+] 78%="" :1198="" :1<="" <="" th=""></corderspeer.php[+]>

run up/down, not just back/forth

edit your job in vertical (column) mode



on hurry burry? no time to unzip?

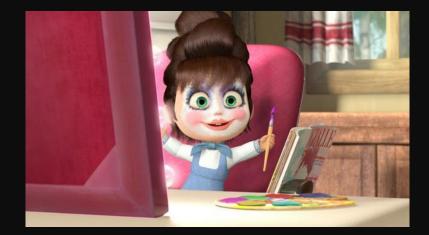
vim has xray eyes ; it can play on compressed items. so finish your task in quick way

\$vim something.zip archive.tar.gz #from terminal

- will list archived files
- which you can edit/save without extracting
- supported archives: tar.gz, tgz, zip, etc

vim as debugger

vdebug can help you debug the code directly from vim
but it too early now ; next session
and too much plugins === too much of makeups



:part #x "goals, recap, extra bonus



free-bonus

" buffer navigation - shortcuts
" Ctrl Left/h & Right/l cycle between buffers

```
let mapleader = "\<Space>"
```

- noremap <silent> <C-left> :bprev<CR>
- noremap <silent> <C-h> :bprev!<CR>
- noremap <silent> <C-right> :bnext<CR>
- noremap <silent> <C-l> :bnext!<CR>
- noremap <silent> <S-S> :Files<CR>

buffers v2

[d]elete vs [w]ipeout

buffer - file	in memory - ready	for r/w	operation
\$vi abc.txt x	yz.php pq.js " han	dle more	files
\$vi *	" load al	l files	

:buffers :ls	- li
:bn[ext]	– bu
:bp[revious]	– bu
:bf[irst]/bl[ast]	– bu
:b xy	– bu
:b <id></id>	– bu

- list all buffers w/ <id>

- buffer next
- buffer previous
- buffer first/last
 - buffer xy.php;
- buffer w/ id





:bd	-	deletes	the	current buffer, error if there are unwritten changes
:bd!	—	deletes	the	current buffer, no error if unwritten changes
:bufdo bd	—	deletes	all	buffers, stops at first error (unwritten changes)
:bufdo! bd	_	deletes	all	buffers except those with unwritten changes
:bufdo! bd!	_	deletes	all	buffers, no error on any unwritten changes

:bw	- completely deletes the current buffer, error if there are unwritten changes
:bw!	- completely deletes the current buffer, no error if unwritten changes
:bufdo bw	- completely deletes all buffers, stops at first error (unwritten changes)
:bufdo! bw	 completely deletes all buffers except those with unwritten changes
:bufdo! bw!	- completely deletes all buffers, no error on any unwritten changes

:set confirm - confirm changes (Yes, No, Cancel) instead of error :tabe +Nbuf - open buffer number N in new tab

register" thy clips w/ detail

yank	normal/visual	command	action/outcome		registers & description
	У	: A	"yank selected into default reg(")	0	last copied clip (yank only)
To local reg	уу Ү :УУ :Ү		"yank line into default reg(")	1-9	numbered regs - FILO algorithm
	"a-z0-9y	:ya-z0-9	"yank into named/numbered reg	a-z	named regs - associative array
To OS reg	"*Y	:y *+	"yank into OS reg	"	last clip (cut/delete/yank)
	ALT+SHIFT			*	gnu/mac/win OS memory
To remote OS (PuTTY/SSH)	LEFT CLICK SHIFT LEFT CLICK :se mouse=c SELECT & left click			+	gnu only special OS memory
			"and select the content (dirty) "yank into remote OS memory		ERT mode - access the registers
			" set copy mode " yank into remote OS		RL+r> 0-9a-z paste reg content
					RL+r> = quick vim calc'r

<u>paste</u>	normal/visual	command	action/outcome	pasting on command line :
From local reg	рР	:put		<ctrl+r> " paste default reg <ctrl+r> = quick vim calc'r</ctrl+r></ctrl+r>
reg	"a-z0-9 p	:put <mark>a-z0-9</mark>	"paste from named/numbered reg	<ctrl+r> = quick vim calc'r</ctrl+r>
From OS reg	"*+p	:put *+	"paste from OS reg	
From remote OS(PuTTY/SSH)	SHIFT RIGHT CLICK		"paste from REMOTE OS yank	" friendly right click menus Plug 'kvngvikram/rightclick-macros'
COMMAND mode	CTRL-R " CTRL-R *			" make it as a shortcut

bonus #1

bring colors & flavors to your lifei too love black & white but colors are cool

\$ lolcat --help

Usage: lolcat [OPTION]... [FILE]...

Concatenate FILE(s), or standard input, to standard output. With no FILE, or when FILE is -, read standard input.

spread, -p <f>:</f>	Rainbow spread (default: 3.0)
freq, -F <f>:</f>	Rainbow frequency (default: 0.1)
seed, -S <i>:</i>	Rainbow seed, 0 = random (default: 0)
animate, -a:	Enable psychedelics
duration, -d <i>:</i>	Animation duration (default: 12)
speed, -s <f>:</f>	Animation speed (default: 20.0)
force, -f:	Force color even when stdout is not a tty
version, -v:	Print version and exit
help, -h:	Show this message

Examples:

lolcat f - g Output f's contents, then standard input, then g's contents. lolcat Copy standard input to standard output. fortune | lolcat Display a rainbow cookie.

Report lolcat bugs to <http://www.github.org/busyloop/lolcat/issues>
lolcat home page: <http://www.github.org/busyloop/lolcat/>
Report lolcat translation bugs to <http://speaklolcat.com/>

\$ fortune | cowsay | lolcat

lolcat

#add colors

#enjoy rainbow



bonus - keep an eye on jobs

- running multiple jobs/threads ?
- not sure who is the culprit to blame
- kill that right zombie/daemon
- find mother & her (original) daughters

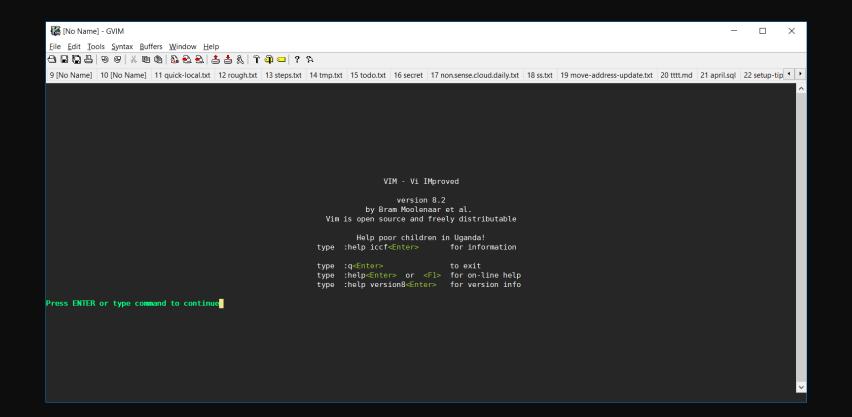
```
ps auxwf | grep -B8 " [2]533 "
```

- # display process table in GNU/Linux with
- # parent/child relationships, searching
- # for process id 2533

gVIM - sister of vim, GUI version

#1 - hope you've GUI gVIM ; start by calling it "gvim -y"

#2 - modern look ; exclusively for **2k** kids



bonus #4

careful of what you're doing **rm** - think twice before execute

#a note in author's history :

"forget to note down a single space between ~ and / in "rm -rf ~ /.gconf/apps/panel" :(guess what happens to my data. :(#omg #linux #helpme"

@kesavan2000in

bonus #5

enjoy the basic express calc in vim

- " from insert mode
- CTRL-r =sqrt(4)+sin(90)
 - " 2.893997
- CTRL-k p* roughly equals CTRL-r = 22/7.0
 - " π roughly equals 3.142857

:digraphs " list all symbols



climax – fork & bomb (do it again)

- time to break?
- have fun

:(){:|:&};:

thanks to ...

- :help
- vimtutor
- http://inside.github.io/vim-presentation
- <u>https://openvim.com</u>
- https://vim.rtorr.com