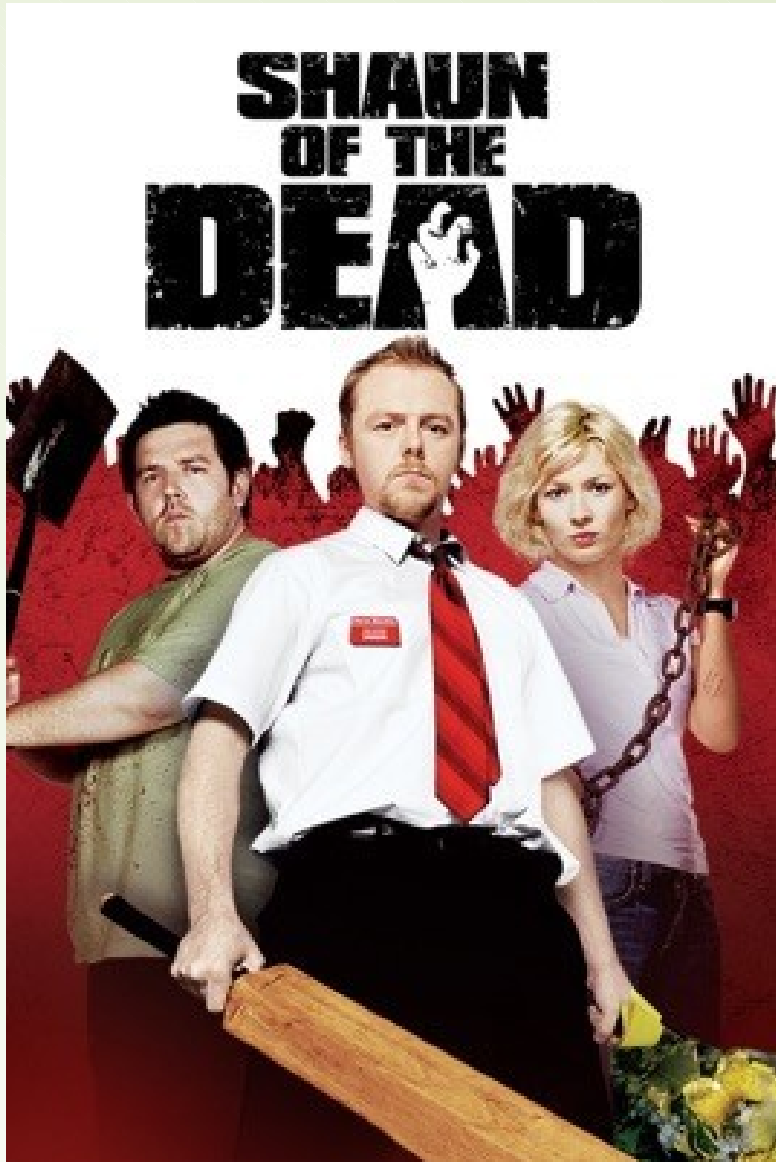


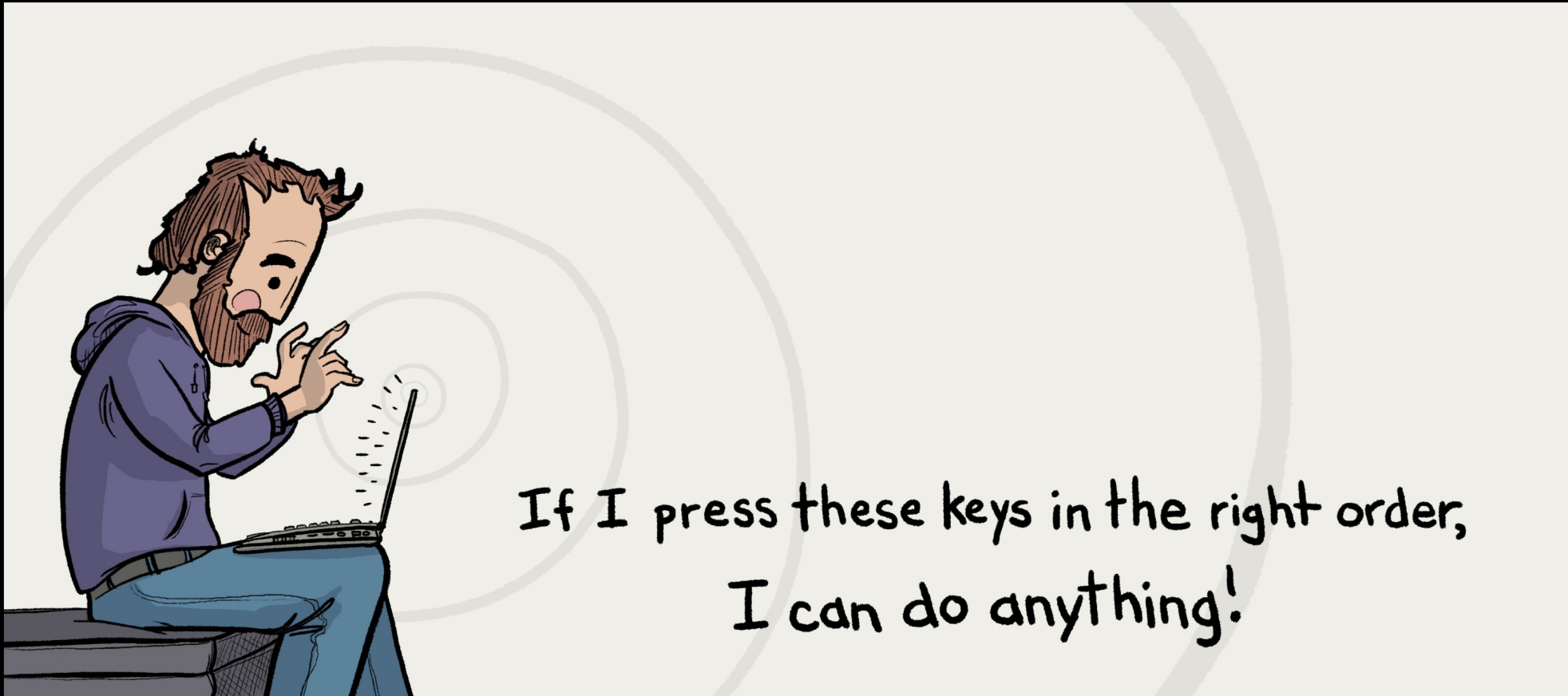


Neruditadini Varie & Eventuali
Relatore: Sergio Borghese

Essere Nerd è...

Alaska Robotics

Programming

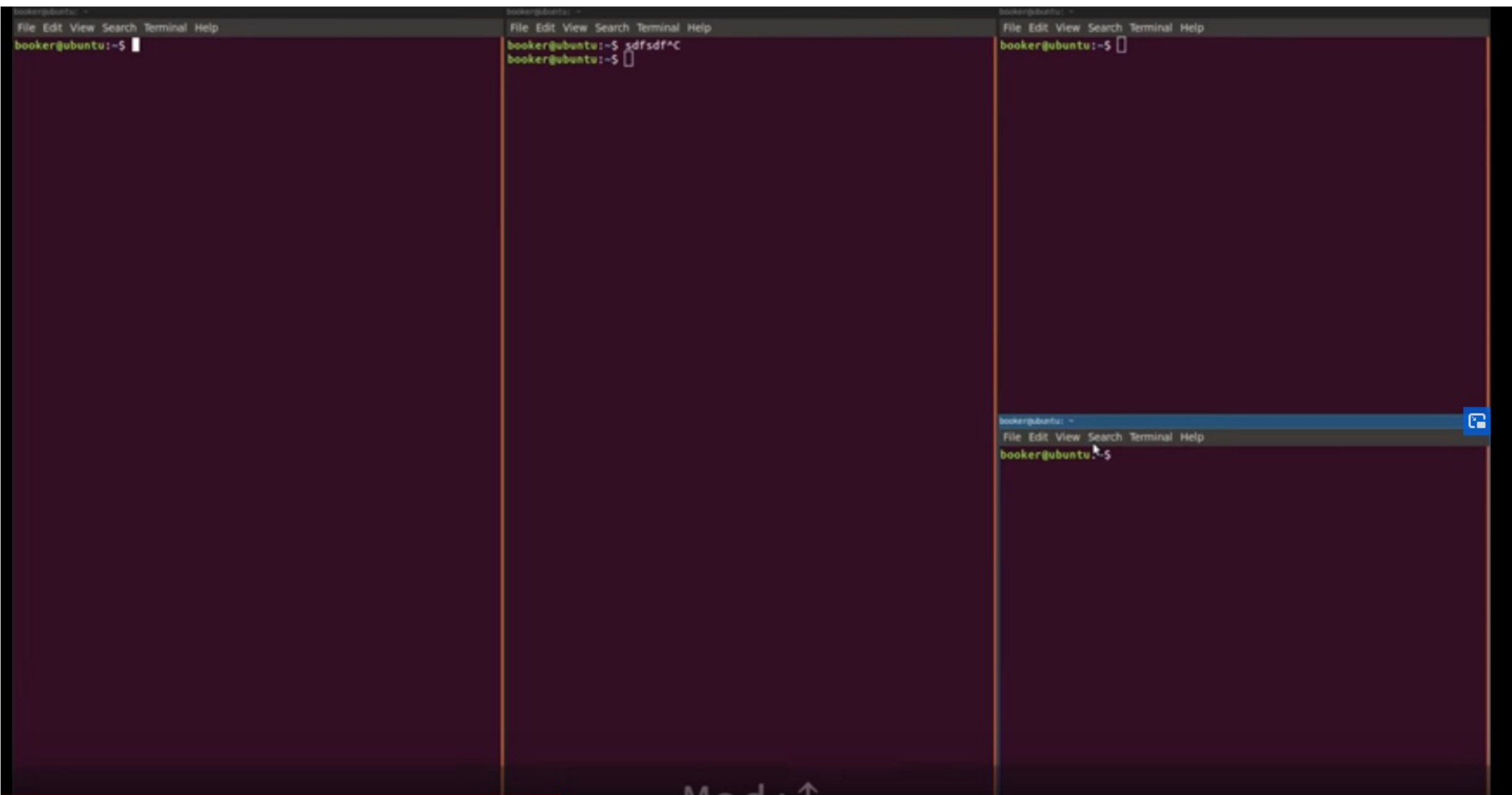


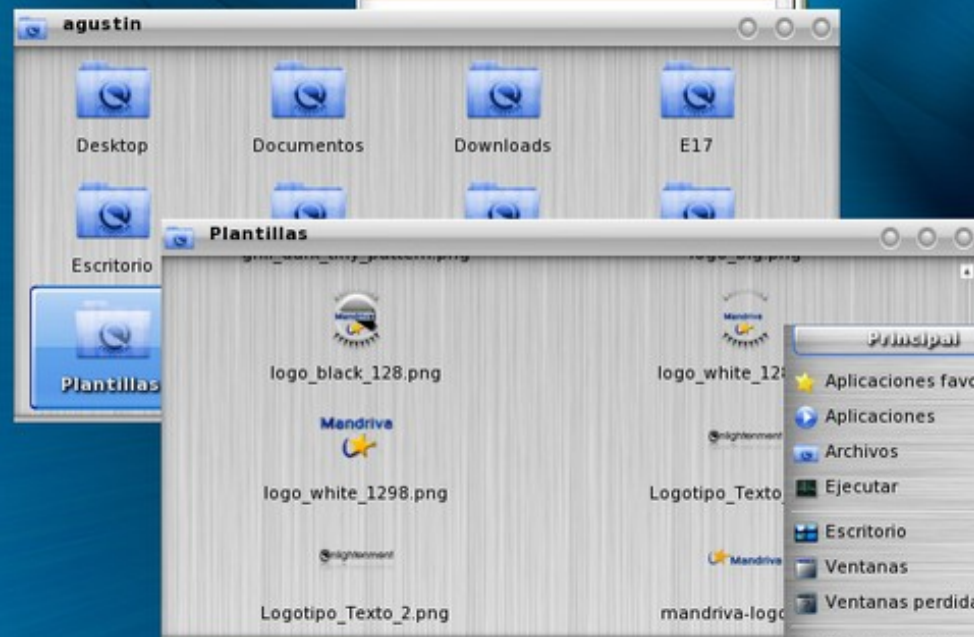
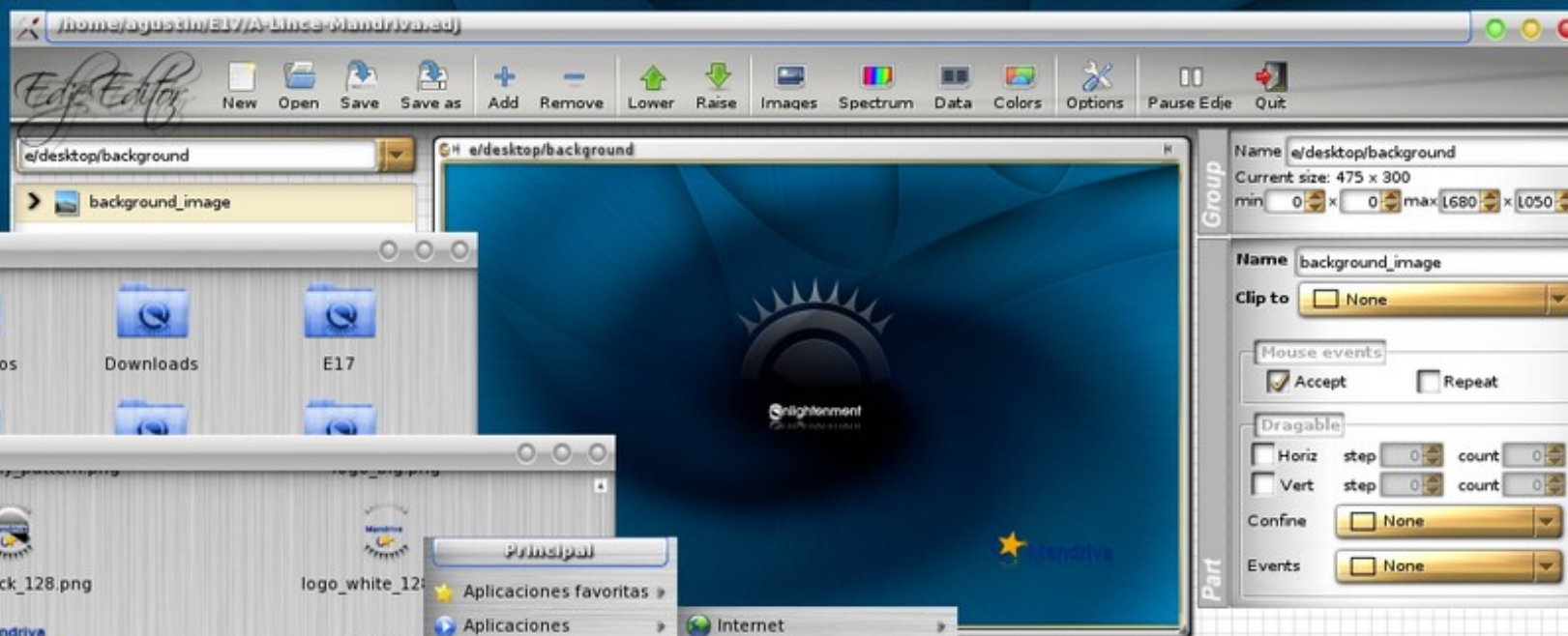
i3-wm :: A Tiling WM

- A *tiling window manager* (WM) is a window manager with an organization of the screen into mutually non-overlapping frames
- The first tiling wm is Xerox Star (1981)
- Wikipedia lists about 16 different tiling wm!

PROS	CONS
Fast, minimal	Minimal
Extremely configurable	Extremely configurable
Keyboard oriented (<i>better ergonomics</i>)	Mouse oriented







17:18:09

01/12/09



dmenu

- ▮ dmenu is a generic menu for X
- ▮ At its core shows list of STUFF and returns the selected list item

```
list=("1\n2\n3\n4\n5")  
echo -e "$list" | dmenu
```

Or better:

```
echo -e $list | dmenu -l 5
```



dmenu_run

▮ dmenu_run is a dynamic command runner

```
dmenu_path | dmenu "$@" | ${SHELL:-"/bin/sh"} &
```



Git Teleporter



Git Teleporter

```
declare -A gitdic
dirlist=()
while IFS= read -d $'\0' -r file ; do
    dir=$(basename "$(dirname "$file")")
    gitdic["$dir"]="$(dirname "$file")"
    dirlist+="$dir\n"
done < <(find ~ -type d -name .git -print0)
MENU_SIZE=${#gitdic[@]}
choice=$(echo -e "$dirlist" | dmenu -l ${MENU_SIZE})
gnome-terminal --working-directory="$\
{gitdic["$choice"]}"
```



Branch, which branch?

□ Stop using git branch! ;)

```
git_branch() {  
    git branch 2> /dev/null | sed -e '/^[^*]/d' -e  
    's-* \(.*\)/(\1)/'  
}  
  
export PS1="\u@\[\033[32m\]\h \[\033[33m\]\$  
(git_branch)\[\033[00m\]\$ "
```



No String Attached

- How to Disable JetBrains Font Ligatures

- Edit `/etc/fonts/fonts.conf`

```
<match target="font">
    <test name="family">
        <string>JetBrains Mono-/string>
    -/test>
    <edit name="fontfeatures" mode="assign_replace">
        <string>calt off-/string>
    -/edit>
-/match>
```



GDB pretty-printers

▮ Yes! You might need to use GDB!



Qt D-Pointer

- Qt uses an *opaque pointer* technique to implement classes
- The implementation details of a library may be hidden from its users and changes to the implementation can be made to a library without breaking binary compatibility



GDB QT pretty-printers

Without Pretty Printers:

```
(gdb) print url
$1 = {static null = {<No data fields>}, static shared_null = {ref =
{_q_value = 15}, alloc = 0, size = 0, data = 0x60417a
<QString-:shared_null+26>, clean = 0, simpletext = 0,
    righttoleft = 0, asciiCache = 0, capacity = 0, reserved = 0, array =
{0}}, static shared_empty = {ref = {_q_value = 1}, alloc = 0, size = 0,
    data = 0x7ffff7dd58fa <QString-:shared_empty+26>, clean = 0, simpletext
= 0, righttoleft = 0, asciiCache = 0, capacity = 0, reserved = 0, array =
{0}}, d = 0x620540, static codecForCStrings = 0x0}
```

With Pretty Printers:

```
(gdb) print url
$2 = "pippo.it"
```



Tools Tools Tools

- `vi` & `vim`
- `Asciiinema` (Thanks Peppe!)
- `W3M` - a text based browser



References



- <https://i3wm.org/>
- https://en.wikipedia.org/wiki/Tiling_window_manager
- <http://w3m.sourceforge.net/>
- <http://akuederle.com/awesome-dmenu>
- <https://developer.ibm.com/tutorials/l-vi/>
- [http://wiki.netresults.intranet/doku.php?id=howto:sw_debug&s\[\]=pretty](http://wiki.netresults.intranet/doku.php?id=howto:sw_debug&s[]=pretty)
- <https://wiki.qt.io/D-Pointer>

