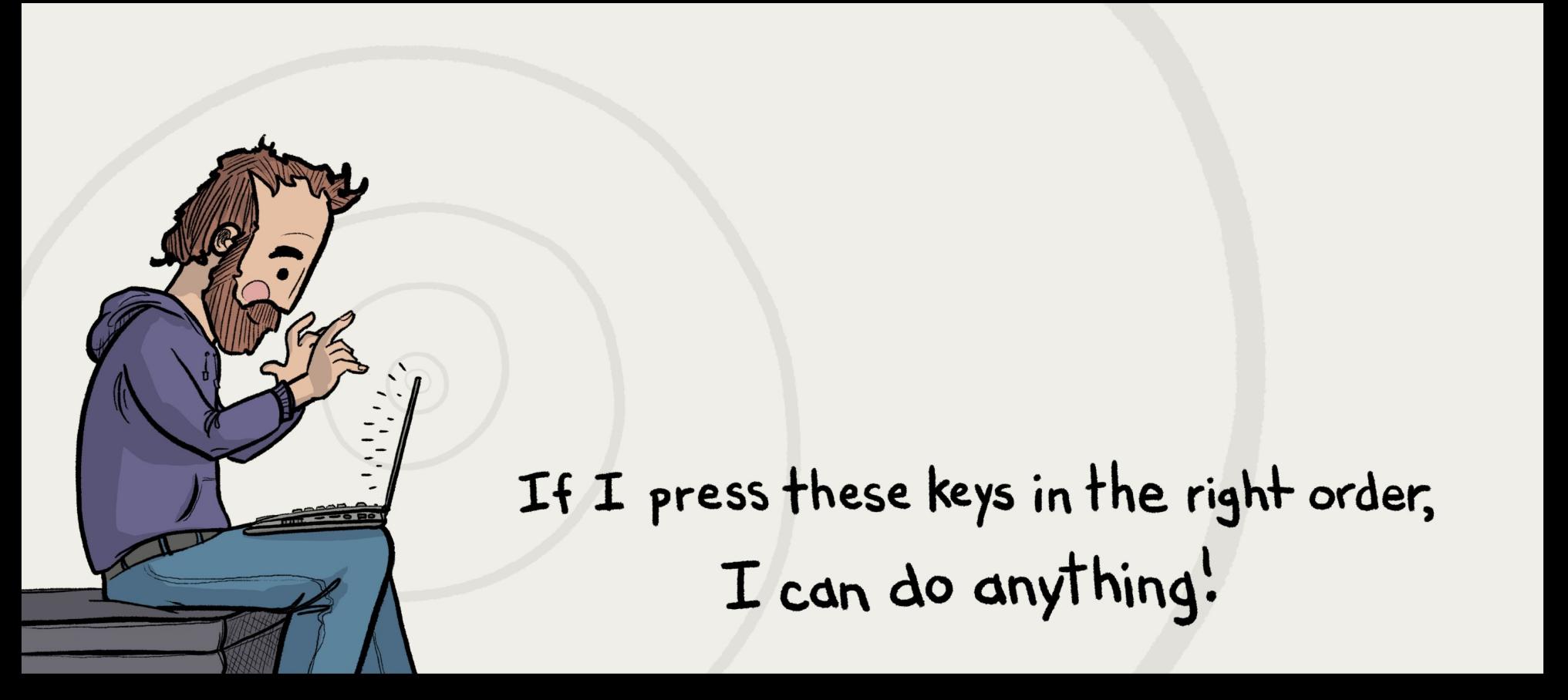


Neritudini Varie & Eventuali
Relatore: Sergio Borghese

Essere Nerd è...

Alaska Robotics

Programming



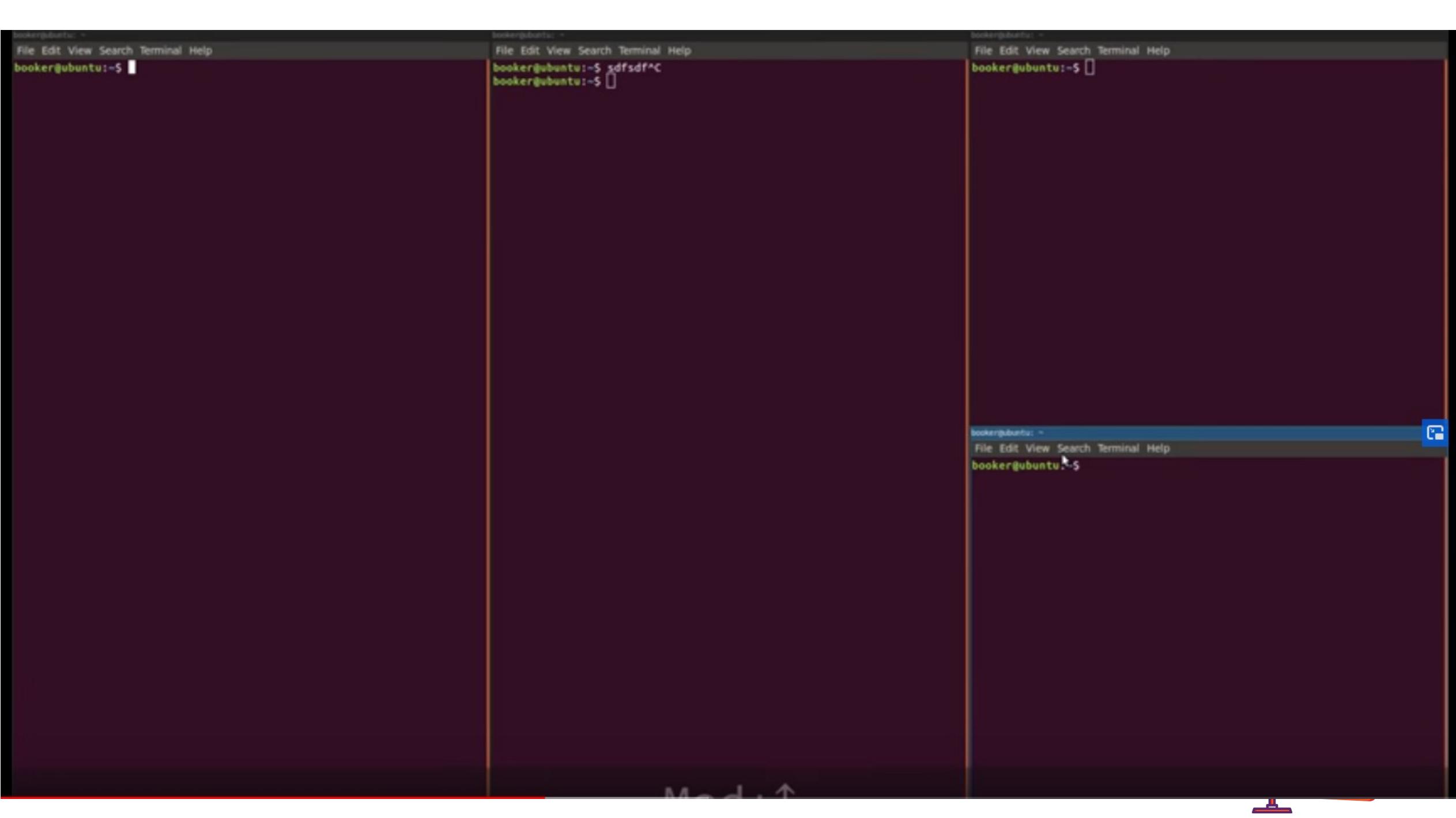
If I press these keys in the right order,
I can do anything!

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





Yahoo! España - Mozilla Firefox

Archivo Editar Ver Historial Marcadores Herramientas Ayuda

5

Ahora: Parcialmente soleado, 16 °C ☀ Mie: 16 °C ☀ Jue: 18 °C ☀ Vie: 16 °C ☀ Sab: 16 °C ☀ Dom:

6

Google

http://m.es.yahoo.com/

17:18:09

01/12/09

01
mar

Edge Edger (e/desktop/background) window open, showing a file named "background_image".

agustin desktop environment window showing icons for Desktop, Documentos, Downloads, E17, Escritorio, and Plantillas.

Plantillas window showing files: logo_black_128.png, logo_white_128.png, logo_white_1298.png, Logotipo_Texto, Logotipo_Texto_2.png, mandriva-logo, and Enlightenment.

Principal menu open, listing categories like Aplicaciones favoritas, Internet, Oficina, Gráficos, etc., with GIMP (GIMP) currently selected.

Group panel on the right side of the desktop, showing settings for the "background_image" group.

Filesystem, **home**, and **Disco local** disk usage monitors at the bottom right.



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
```



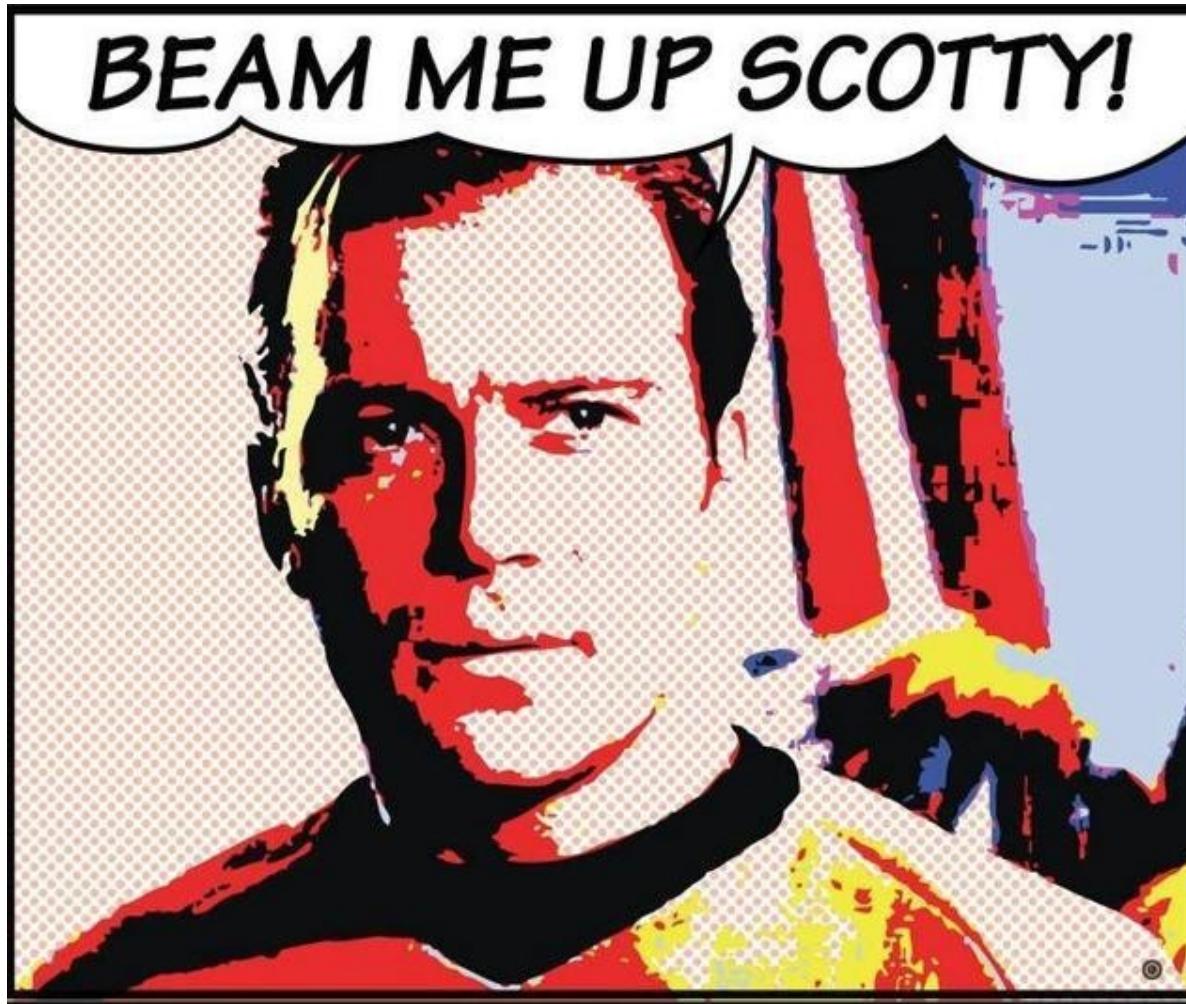
dmenu_run

- 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"]="$dir"
    dirlist+="$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 \[\033[33m\]\$\n(git_branch)\[\033[00m\]\$ "
```



No String Attached

- └ How to Disable JetBrain 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 = 0x7fffff7dd58fa <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
- Asciinema (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>

