

Desenvolvimento em Aplicações WEB



Ezequiel Ramos



- Linguagem de programação de Alto Nível
- Interpretada
- Orientada a objetos
- Tipagem dinâmica e forte

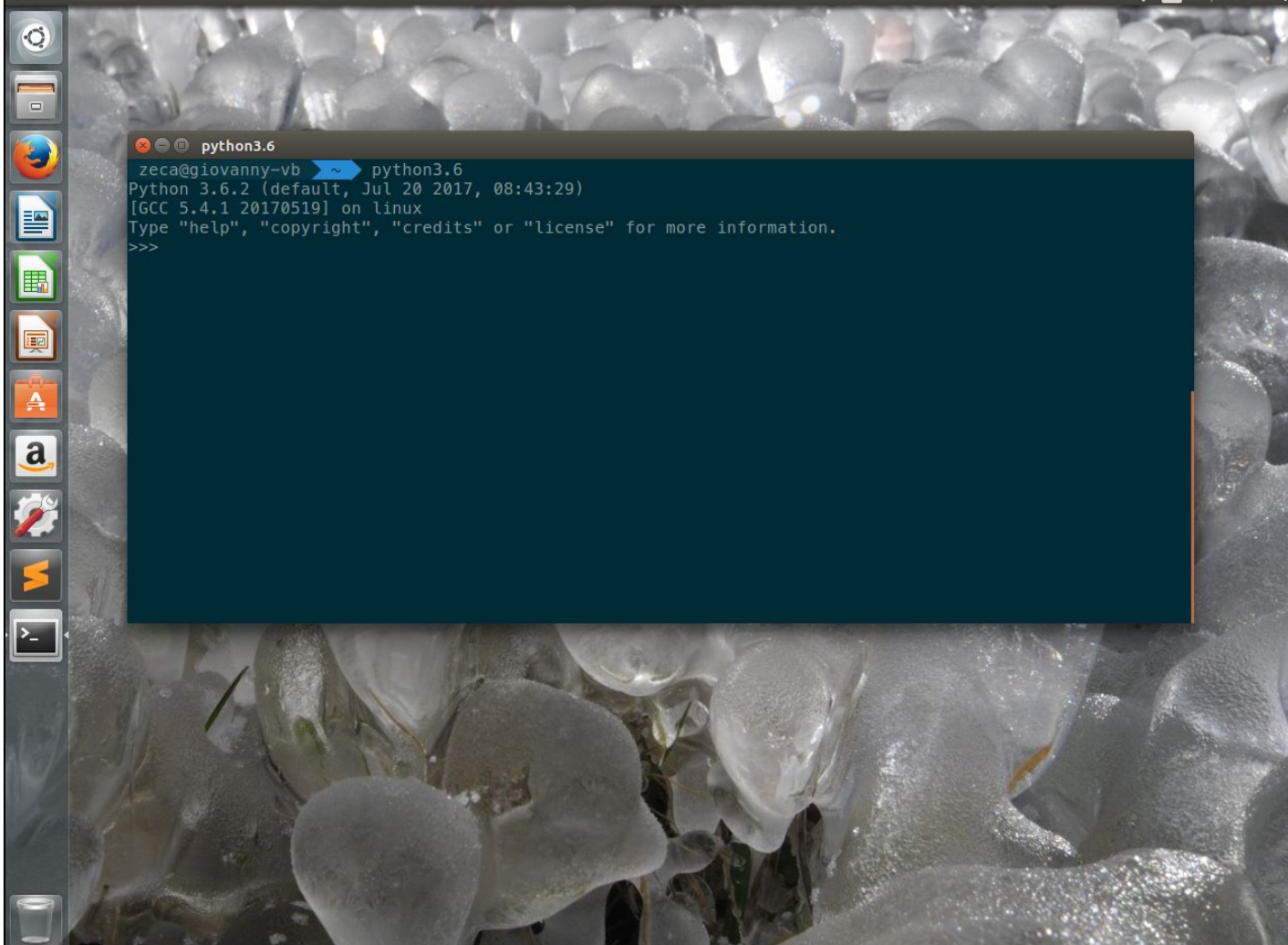
Instalação Python3.6

Windows/Mac:

- <https://www.python.org/downloads/>

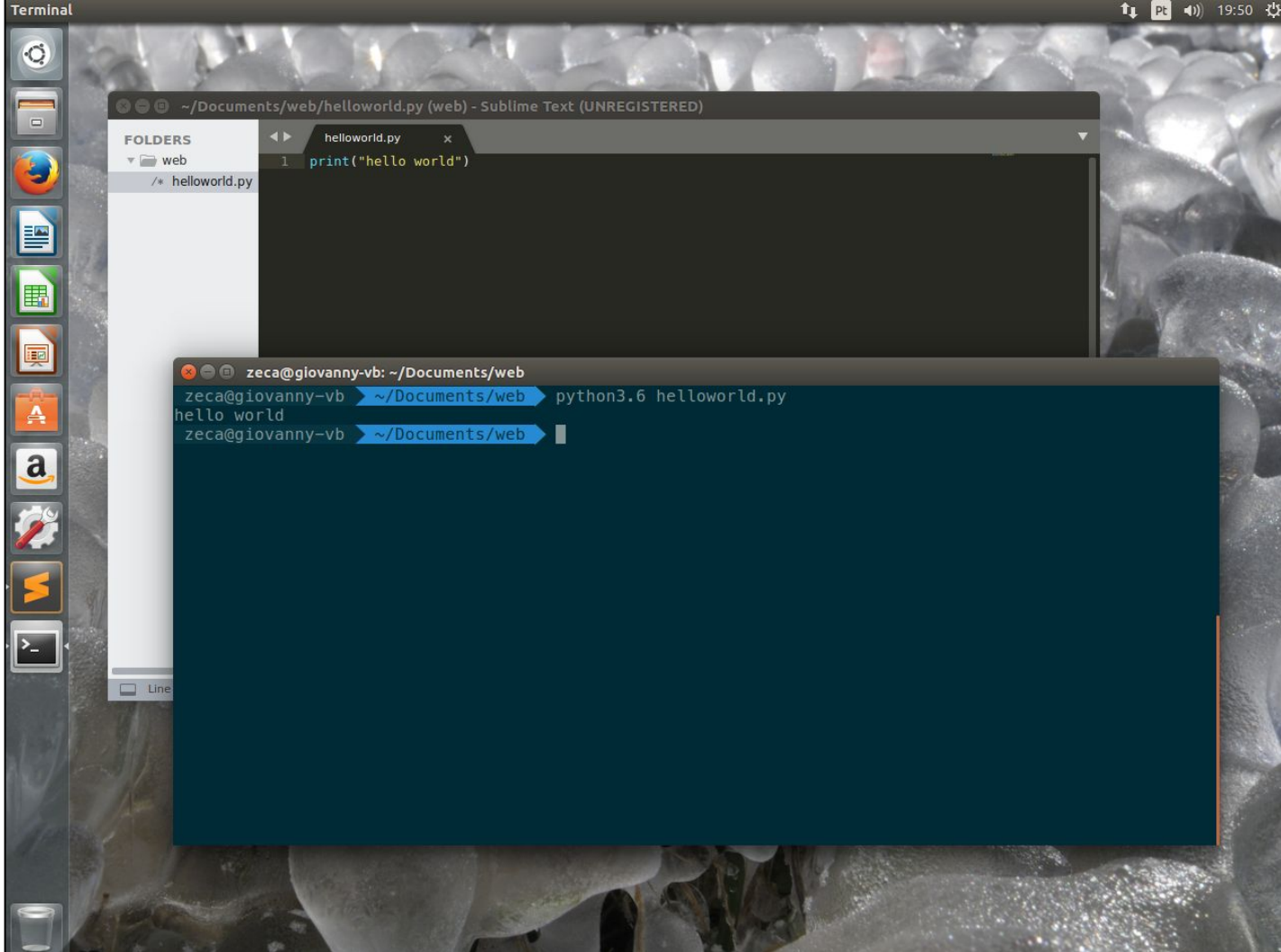
Ubuntu:

- `sudo add-apt-repository ppa:jonathonf/python-3.6`
- `sudo apt-get update`
- `sudo apt-get install python3.6`



The image shows a screenshot of an Ubuntu desktop environment. The background is a close-up photograph of white, frost-like flowers on a dark surface. On the left side, there is a vertical dock containing several application icons: Dash, Home Folder, Firefox, LibreOffice Writer, LibreOffice Calc, LibreOffice Impress, Software Center, Amazon, Dash to Dock, Dash to Dash, and Dash to Dash. In the center of the screen, a terminal window titled 'python3.6' is open. The terminal has a dark blue background and white text. It shows the command 'python3.6' being executed, followed by the output: 'Python 3.6.2 (default, Jul 20 2017, 08:43:29) [GCC 5.4.1 20170519] on linux'. Below this, it says 'Type "help", "copyright", "credits" or "license" for more information.' and the prompt '>>>'.

```
python3.6
zeca@giovanny-vb ~$ python3.6
Python 3.6.2 (default, Jul 20 2017, 08:43:29)
[GCC 5.4.1 20170519] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>>
```





Flask

web development,
one drop at a time



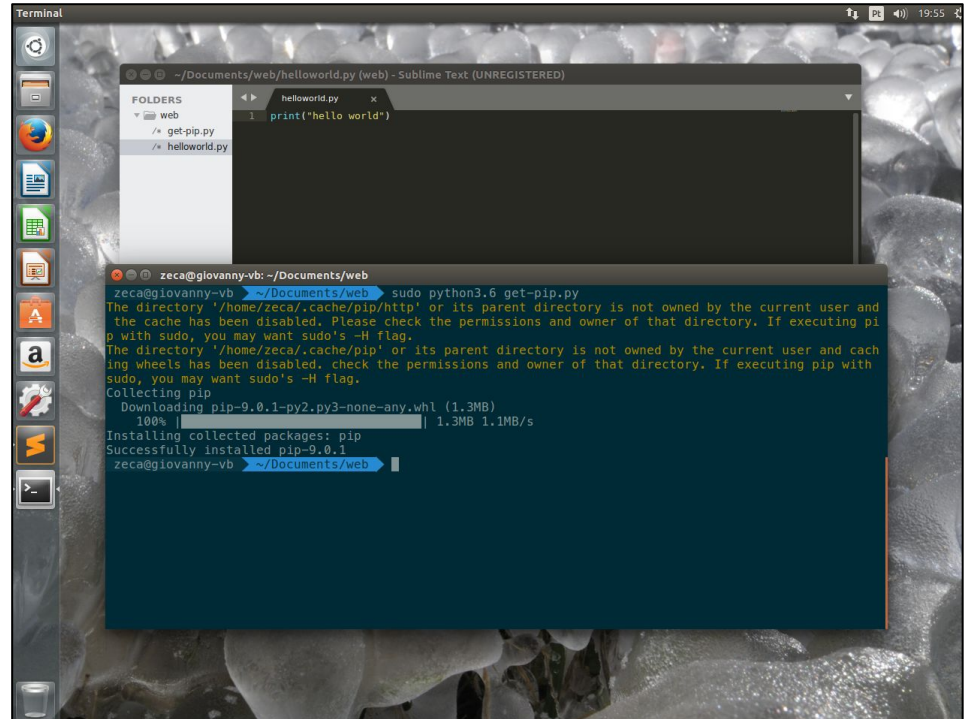
Jinja2

Porque Flask?

- Flask é considerado mais “Pythonico” que Django
- Foi escrito alguns anos depois do Django, assim sendo, aprendeu com o feedback da comunidade.

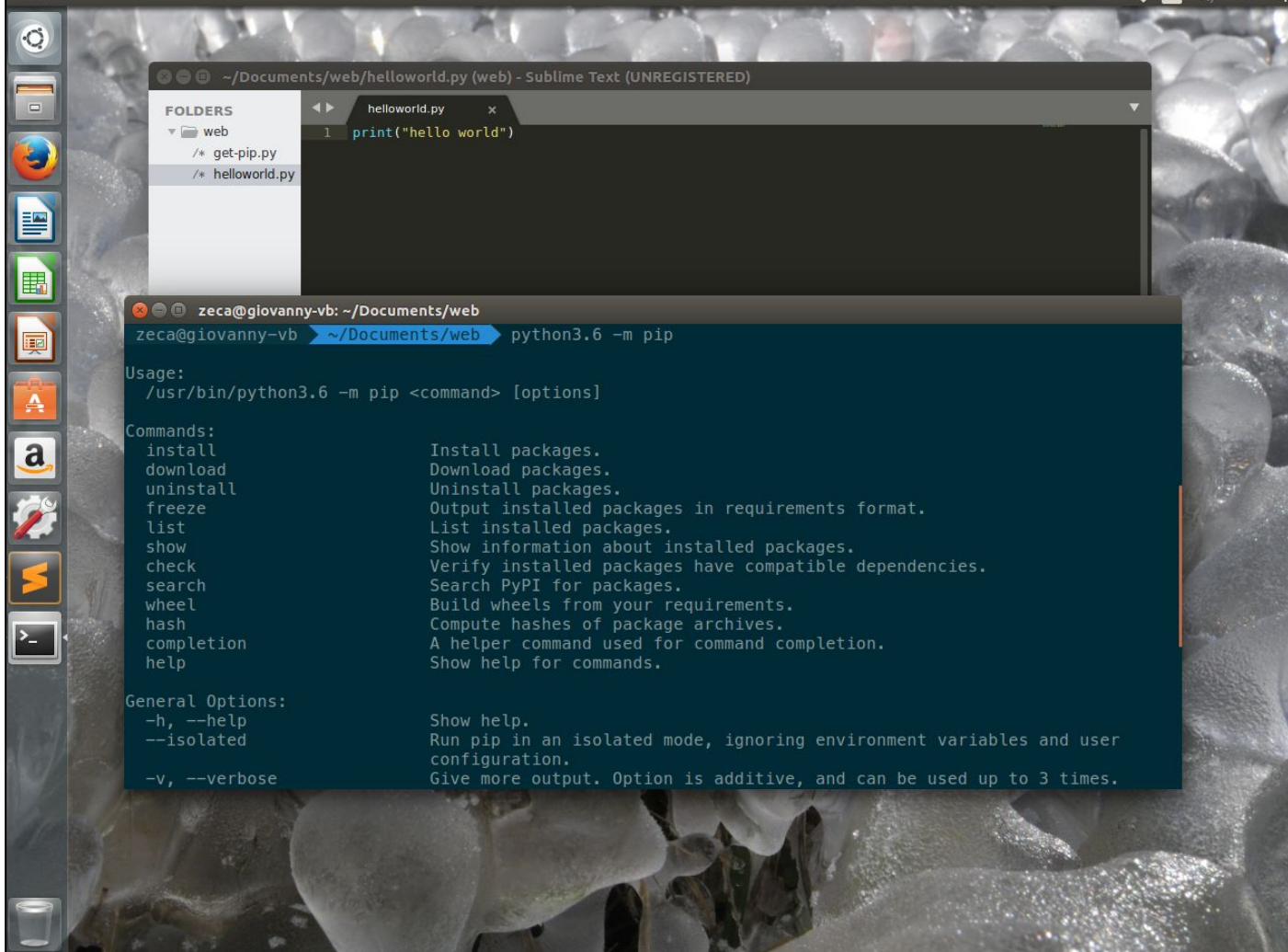
Instalação Pip

- <https://bootstrap.pypa.io/get-pip.py>
- `sudo python3.6 get-pip.py`



```
Terminal
~/Documents/web/helloworld.py (web) - Sublime Text (UNREGISTERED)
FOLDERS
  web
    get-pip.py
    helloworld.py

zeca@giovanny-vb: ~/Documents/web
zeca@giovanny-vb ~$ sudo python3.6 get-pip.py
The directory '/home/zeca/.cache/pip/http' or its parent directory is not owned by the current user and
the cache has been disabled. Please check the permissions and owner of that directory. If executing pi
p with sudo, you may want sudo's -H flag.
The directory '/home/zeca/.cache/pip' or its parent directory is not owned by the current user and cac
hing wheels has been disabled. check the permissions and owner of that directory. If executing pip w
ith sudo, you may want sudo's -H flag.
Collecting pip
  Downloading pip-9.0.1-py2.py3-none-any.whl (1.3MB)
    100% |#####| 1.3MB 1.1MB/s
Installing collected packages: pip
Successfully installed pip-9.0.1
zeca@giovanny-vb ~$
```

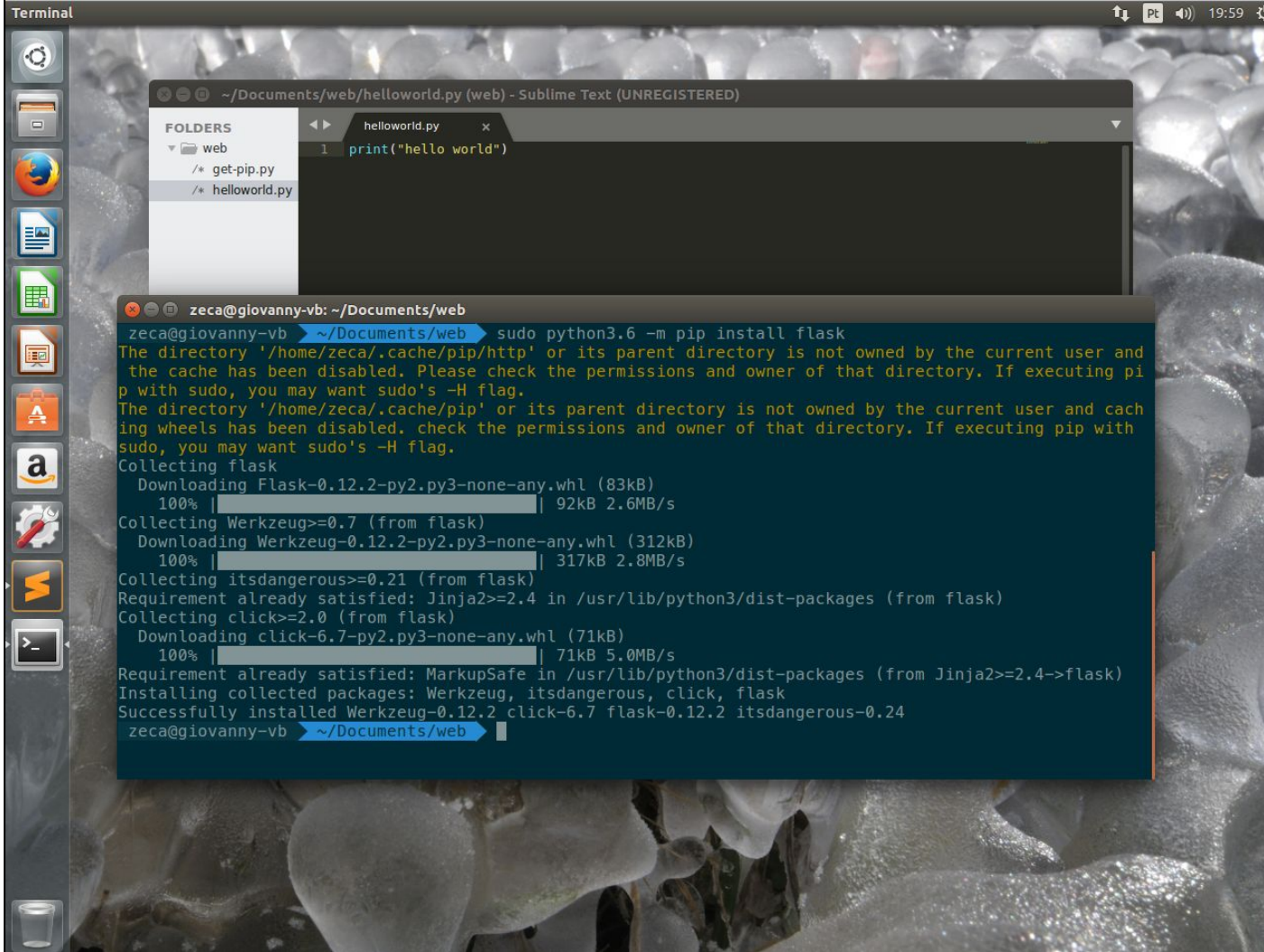
The screenshot shows a Linux desktop with a dark theme. On the left is a vertical dock with icons for various applications including a file manager, web browser, and office suite. In the center, a Sublime Text editor window is open, displaying a file named `helloworld.py` with the content `print("hello world")`. The file explorer on the left shows a folder named `web` containing `get-pip.py` and `helloworld.py`. In the foreground, a terminal window is open, showing the command `python3.6 -m pip` being executed. The terminal output displays the usage and commands for the `pip` module.

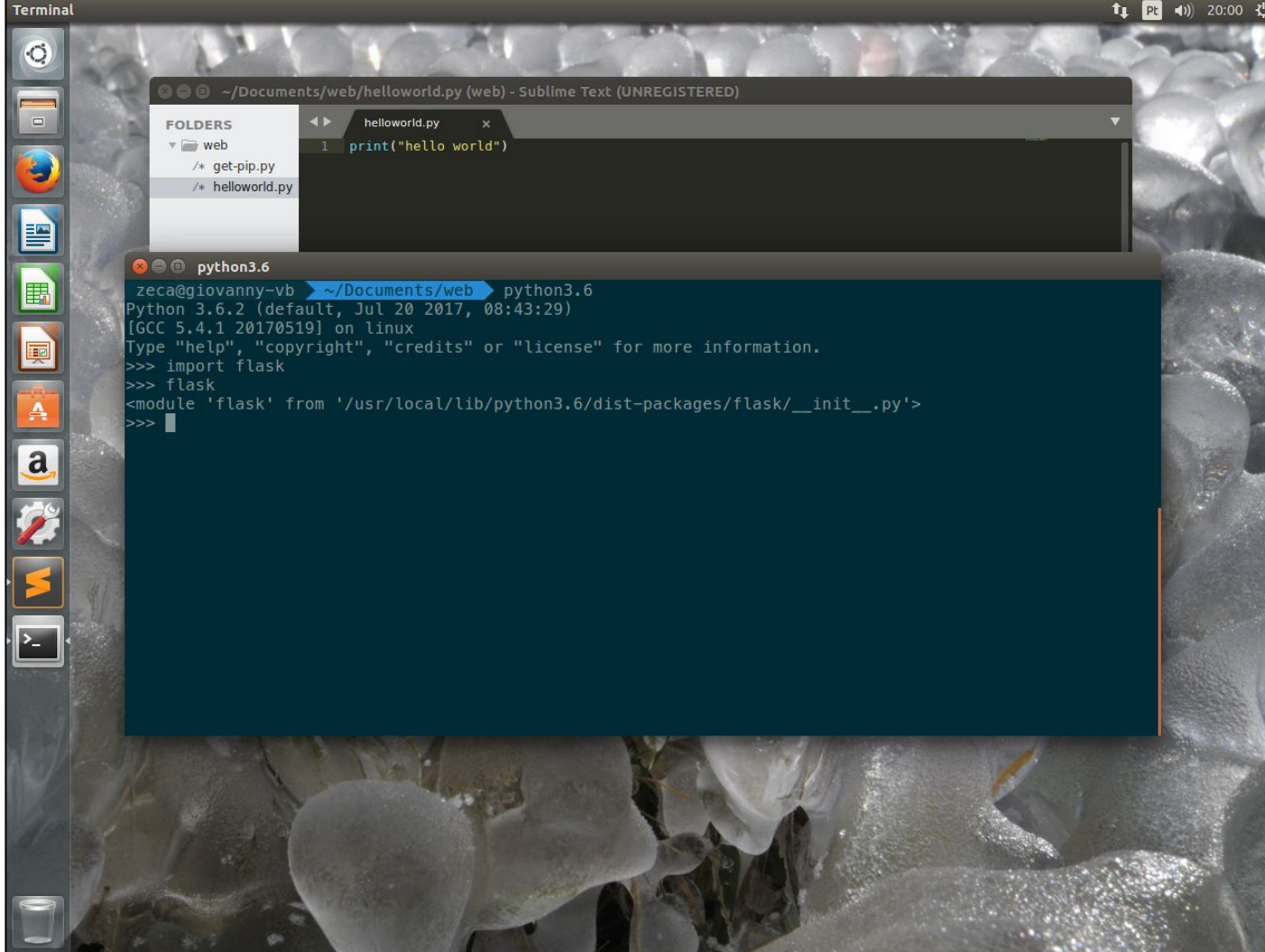
```
zeca@giovanny-vb: ~/Documents/web
zeca@giovanny-vb ~/Documents/web python3.6 -m pip

Usage:
  /usr/bin/python3.6 -m pip <command> [options]

Commands:
  install          Install packages.
  download         Download packages.
  uninstall        Uninstall packages.
  freeze           Output installed packages in requirements format.
  list             List installed packages.
  show             Show information about installed packages.
  check            Verify installed packages have compatible dependencies.
  search           Search PyPI for packages.
  wheel            Build wheels from your requirements.
  hash             Compute hashes of package archives.
  completion       A helper command used for command completion.
  help             Show help for commands.

General Options:
  -h, --help       Show help.
  --isolated       Run pip in an isolated mode, ignoring environment variables and user
                  configuration.
  -v, --verbose    Give more output. Option is additive, and can be used up to 3 times.
```





Referências

- <https://www.python.org/>
- <http://flask.pocoo.org/>
- <https://www.fullstackpython.com/flask.html>
- <https://blog.startifact.com/posts/older/what-is-pythonic.html>
- <https://blog.miguelgrinberg.com/post/the-flask-mega-tutorial-part-i-hello-world>