

# Introduction to Python

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Introduction to Awesomeness

# Why Python?

- Fast(eg PyPy)
- Broad
- Readability
- Easy to Learn
- Open Sourced
- Object Oriented
- It's dynamic
- It's cross platform
- And much more reasons!



# Who uses Python?

- NASA
- Google
- Youtube
- Reddit
- Dropbox
- Pinterest
- Instagram
- Mozilla
- Quora

And now it's your turn!



# Getting started!

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# Installation (Linux)

No need to worry!

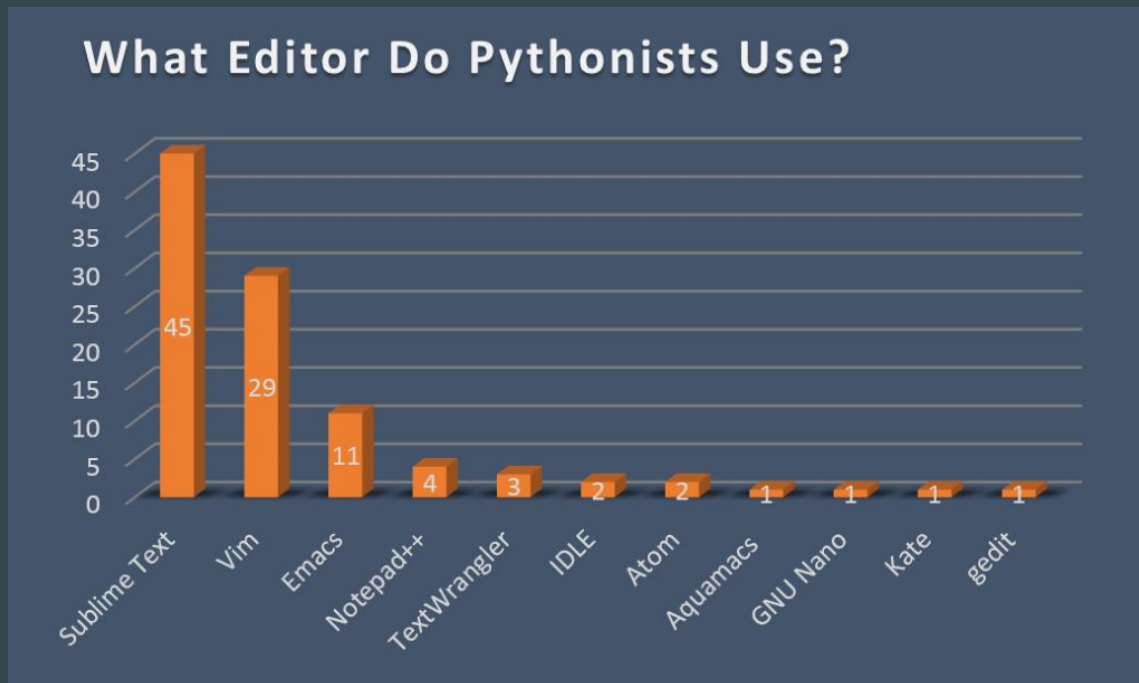
By default, both python2 and python3 are installed in Ubuntu!!!!!!

Check your version:

```
$ python --version
```

# Editors and IDEs

- Sublime Text
- Pydev with Eclipse
- Pycharm
- VIM
- Wing IDE
- Gedit
- Emacs
- Atom
- Notepad++



# Indentation

In most other programming languages, indentation is used only to help make the code look pretty. But in Python, it is required for indicating what block of code a statement belongs to. Example:

```
1 # airfare.py
2 age = int(input('How old are you? '))
3 if age <= 2:
4     print(' free')
5 elif 2 < age < 13:
6     print(' child fare')
7 else:
8     print('adult fare')
```

# Installing pip

Pip is a tool for installing and managing Python packages.

Installation:

```
$ sudo apt-get update
```

```
$ sudo apt-get -y install python-pip
```



# **Now let us start with Basics**

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# Basics

- Numbers, Operators and Operations
- Basic Input and Output
- Strings
- Lists

