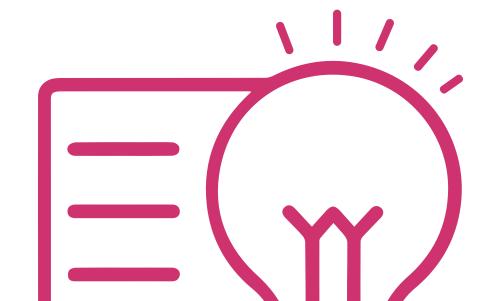
About Python What is Python good for? Who's using Python? Installation Ways to Run **Jupyter Setup IDEs Extensions Versions** PyPi vs PyPy Confusion





About P

1. Python is an interpreted, interactive, object-oriented

- 2. Provides interfaces to many system calls and libraries
 - 4. Usable as an extension language for applications that

 - need a programmable interface

5. Python is portable

Modules

Exceptions

Dynamic Typing

Classes

Functional, **Procedural** File Systems System Calls

General

Purpose

Large Standard Library String
Processing
(Regex)

Unicode

Profiling

PYTHON

What is it good for?

Python
Package
Index
Pypi

Parsing Python Code

Logging

Internet
Protocols
(HTTP, FTP,
SMTP, XML-RPC,
POP, IMAP)

Unit Testing

High

Level

Calculating differences between files

TCP / IP
Sockets



who uses python today



















: More

Tools

About 6,72,00,000 results (0.57 seconds)

Python is used by Intel, IBM, NASA, Pixar, Netflix, Facebook, JP Morgan Chase, Spotify, and a number of other massive companies. It's one of the four main languages at Google, while Google's YouTube is largely written in Python. Same with Reddit, Pinterest, and Instagram.

In recent years, Python has seen a huge increase in jobs. There are currently more than 11,000 job advertisements worldwide on Glassdoor for Python-related roles, with Indeed having around 14,000 roles. Compared to the roles related to Java, Indeed currently has nearly double the amount for Python which only goes to show how big the Python job market is at the moment.

Download > Double click > Next > I Agree > Continue



JupyterLab

PyCharm

VS Code

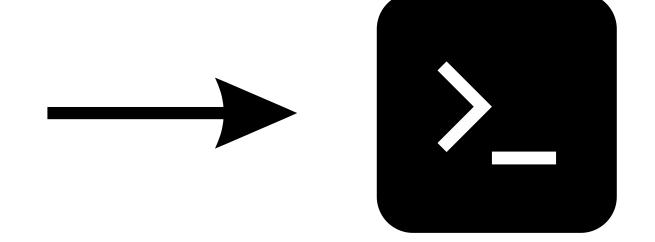
Python IDEs

Anaconda

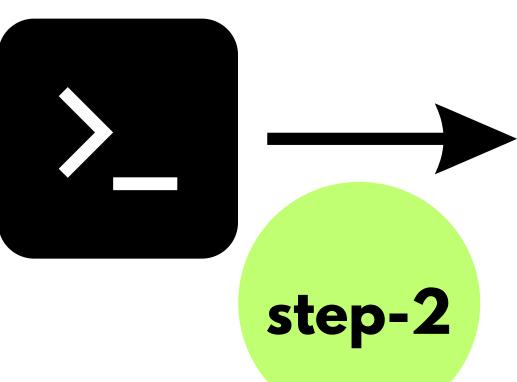
Google Collab

step-1

```
1 cmd + space > terminal > return ( mac
2 Wyindow + R > cmd > enter ( windows )
3 ctrl + alt + t ( linux ubuntu )
```



How to invoke Python interpreter



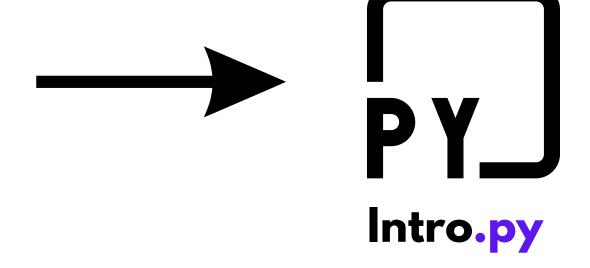
```
rishabhio@Playground ~ % python

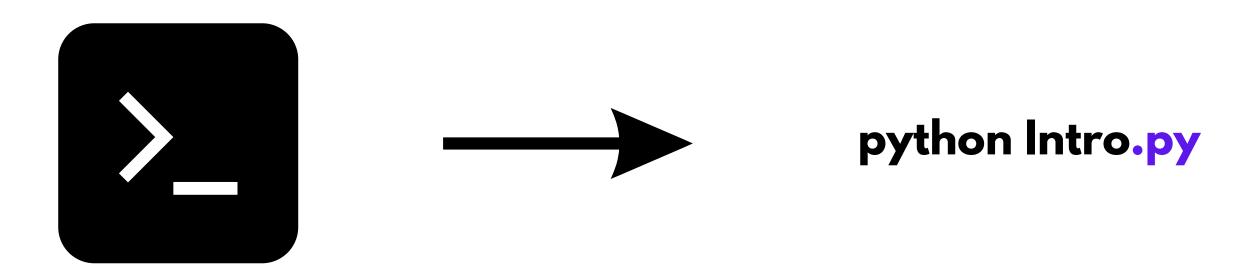
Python 3.11.3 (v3.11.3:f3909b8bc8, Apr 4 2023, 20:12:10) [Clang 13.0. 0 (clang-1300.0.29.30)] on darwin

Type "help", "copyright", "credits" or "license" for more information.

>>>
```

```
intro.py — 001-intro
intro.py
            X
intro.py
        def hello():
            print("Hello")
  3
  4
        if __name__ == "__main__":
  5
  6
            hello()
```





Installing Jupyterlab





PYPI VS PYPY

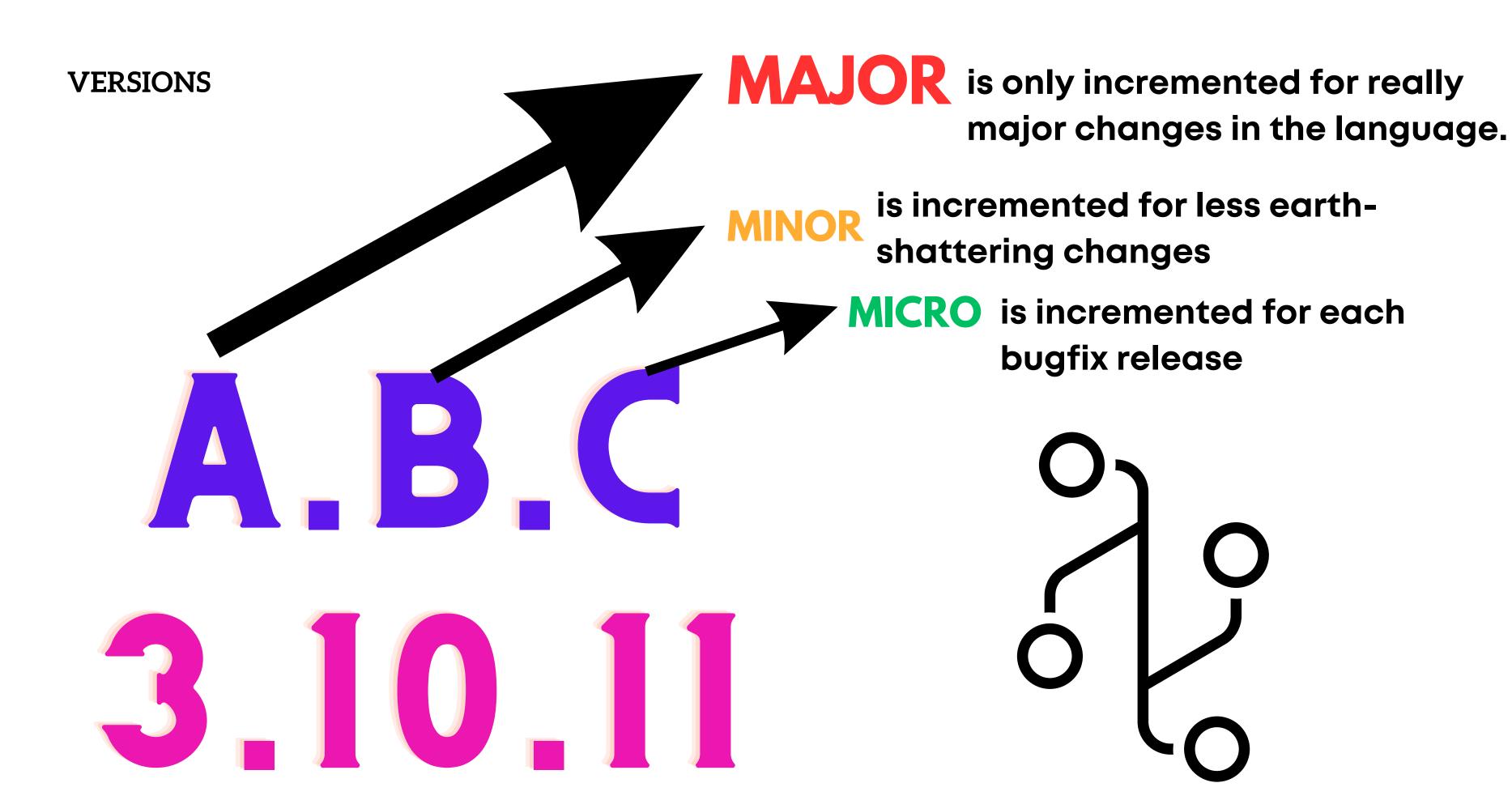
Purpose: PyPy runs Python programs; PyPI shares Python packages.

Functionality: PyPy executes code faster; PyPI extends programming functionality.

Community: PyPy focuses on performance; PyPI on sharing Python packages.

Usage: PyPy optimizes performance; PyPI provides required Python packages.

Role: PyPy executes Python code; PyPI provides libraries and frameworks.



VS Code Extensions

