



Why Python?

- Easy to read, learn and code
- Dynamic Typing
- Free, Open Source
- Portable
- Extensive Third-Party Libraries
- Interpreted Language
- Functional, Object-Oriented, and Procedural
- Improved Productivity

Disadvantages of Python

- Slow at runtime
- High memory consumption
- Runtime Errors
- Not used in the Enterprise Development
- Simplicity

[helloworld](#)

Input: QwQ

lang	code	time
<u>c</u>	<u>1.c</u>	1.0ms
<u>c</u>	<u>1.c</u>	1.3ms
<u>c</u>	<u>1.c</u>	1.4ms
<u>python</u>	<u>1.py</u>	12ms
<u>python</u>	<u>1.py</u>	14ms
<u>python</u>	<u>1.py</u>	28ms

History

- Version 1 (1994)
- Version 2 (2000)
- Version 3 (2008)



Old Python logo, 1990s–2006



New Python logo, 2006–
present



Guido van Rossum in 2014

The Zen of Python

```
1 import this
```



<https://cs50.harvard.edu/python/2022/>
<https://cs50.edx.org/python>



Problem Set 3

What to Do

1. Log into cs50.dev, which is a cloud-based version of the course pre-installed. No need to download or install anything.
2. Execute `update50` in your codespace's terminal.
3. Submit all of the problems below:

- [Fuel Gauge](#)
- [Felipe's Taqueria](#)
- [Grocery List](#)
- [Outdated](#)

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Contact me

Telegram: @Neutrallin

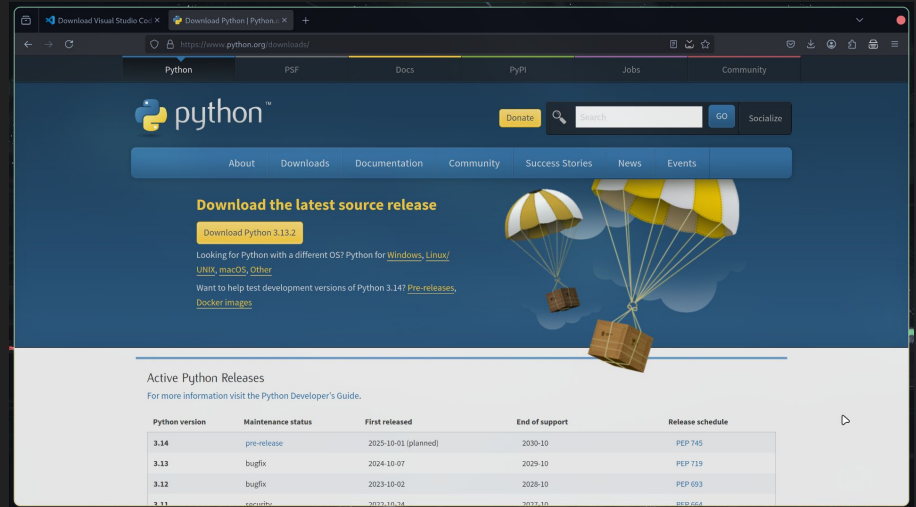
Email: neutralobs@gmail.com

<https://github.com/Neutrallin4/PythonClass>

<https://code.visualstudio.com/download>



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



Clean Code in Python

- Easy to understand
- More efficient
- Easier to maintain, scale, debug, and refactor

<https://testdriven.io/blog/clean-code-python/>

<https://peps.python.org/pep-0008/>
Proposal)

PEP 8 (Python Enhancement

Documentation

<https://docs.python.org/3/library/>

```
print(*objects, sep=' ', end='\n', file=None, flush=False)
```

Print *objects* to the text stream *file*, separated by *sep* and followed by *end*. *sep*, *end*, *file*, and *flush*, if present, must be given as keyword arguments.

All non-keyword arguments are converted to strings like [str\(\)](#) does and written to the stream, separated by *sep* and followed by *end*. Both *sep* and *end* must be strings; they can also be `None`, which means to use the default values. If no *objects* are given, [print\(\)](#) will just write *end*.

The *file* argument must be an object with a `write(string)` method; if it is not present or `None`, [sys.stdout](#) will be used. Since printed arguments are converted to text strings, [print\(\)](#) cannot be used with binary mode file objects. For these, use `file.write(...)` instead.

Output buffering is usually determined by *file*. However, if *flush* is true, the stream is forcibly flushed.

Changed in version 3.3: Added the *flush* keyword argument.