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Why Python? We wanted to work with a language highly
  sought after in the industry, and Python consistently
   appeared in job ads. Its reputation as an accessible,
   beginner-friendly language was also a major factor.
    Our Goal: To create a simple demonstration that
effectively highlights the key differences between Python
  and JavaScript. This comparison allowed us to better
               understand both languages.
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HISTORY



Created in 1989

Guido Van Rossum began developing Python as a hobby project, to create a simpler and more readable programming language. Official Release in 1991

Python is officially released with core features like functions and modules.

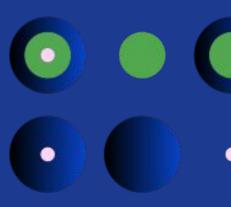
Gained popularity in the 2000s

Python 2 gains popularity for web development, scripting and automation.

2008+

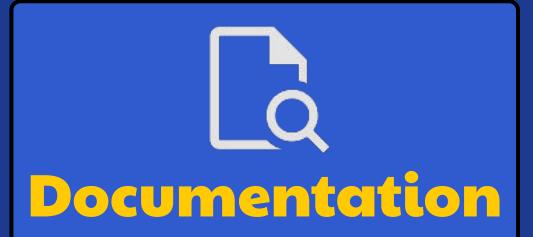
Python 3 fuels Python's rise in data science, AI and education.



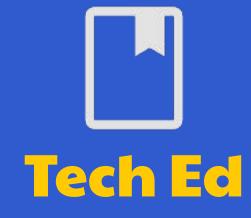




We watched a lot of youtube videos
because we both learn better
watching how something is done
over reading. This visual approach
was helpful for quickly
understanding the new concepts
that come with python

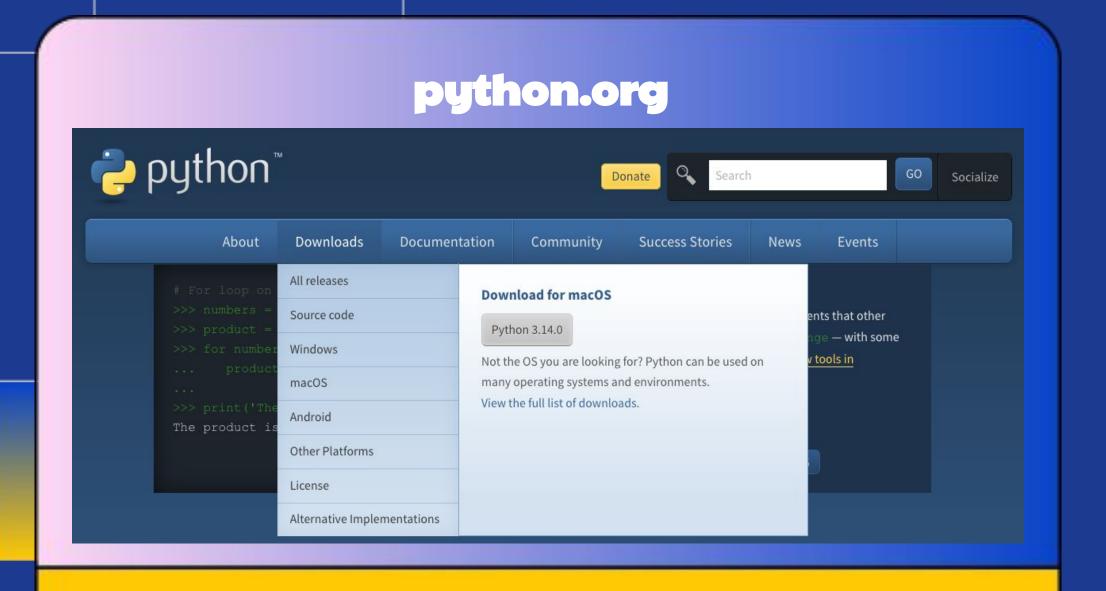


All of the documentation we used are listed within our GitHub repository. These served as our reference for syntax, functions and best practices.



The knowledge we have learned over the last 10 weeks on this course helped provide a good foundation and framework for our journey to learn the basics of Python.

HOW TO INSTALL



The installation process for Python varies depending on the operating system you use.

We followed the documentation provided on the Python website, and YouTube tutorial for visual guidance. For further information, you can refer to our GitHub repo where we wrote step-by-step guides for installation.

Once Python is installed, on VS Code, it is recommended to install the following extensions:

- Python
- Python Debugger
- Pylance

Congratulations! You now have Python installed!



HOWITWENT

Skills improved

Understanding Python basics, collaboration and teamwork skills, communication skills, working with new people, task management and organisation skills, pair programming and adaptability

Communication

We both feel like we communicated really well. We made sure that we both agreed on task and the plan before moving on. We used tools like Trello, Discord and word for daily check-ins and planning the day.

Lessons learnt

We encountered a roadblock when we couldn't get the repository clone working on Gabby's laptop. Manny suggested we try paired programming. This approach helped us quickly recover lost time.

PYTHON VSJS

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Python

Package installer tool → PIP

print("Hello World!")

Naming convention snake_case → my_name = "Gabby"

no let/const for declaring variables → my_greeting = "Hello World"

Uses readable words: and, or, not.

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JavaScript

Package installer tool \rightarrow NPM

console.log("Hello World!")

Naming convention camelCase → myName = "Gabby"

needs let/const for declaring variables → let myGreeting = "Hello World!"

Uses symbols: &&, **`,

