

# Introduction to Python

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Company : Chuchurofirm Pvt. Ltd.



So what is Python ?

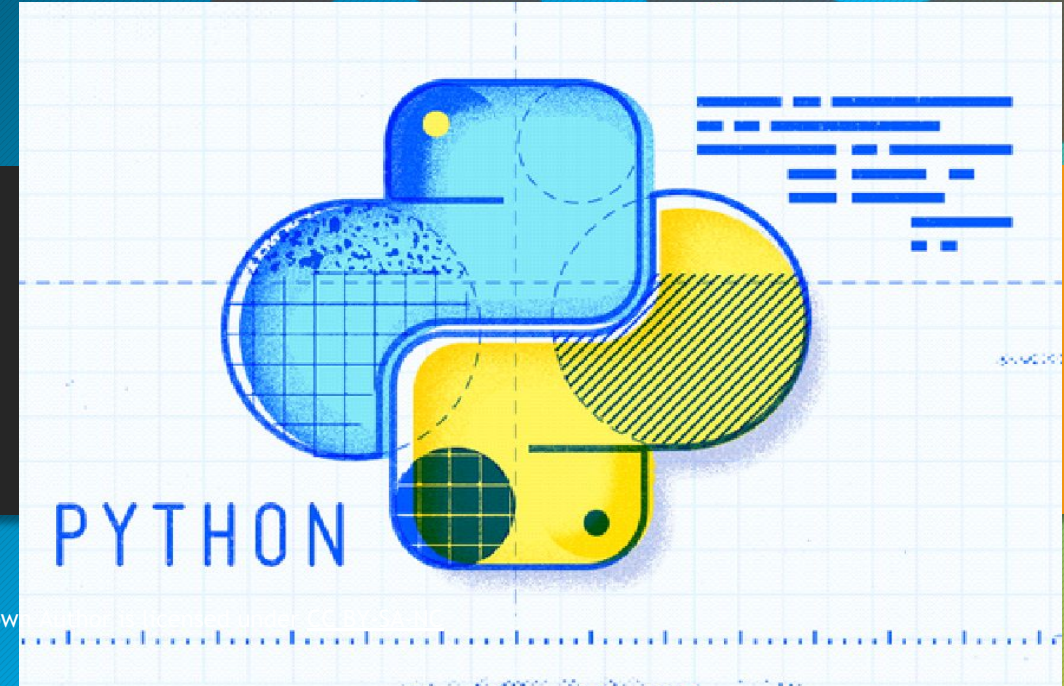






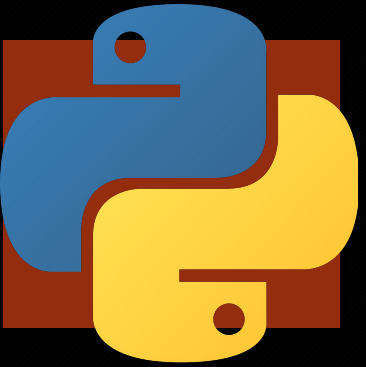
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2022





# What is Python?

- an interpreted, high-level, general purpose programming language to talk to machine
- dynamically typed and garbage-collected.
- Is with "batteries included"



Guido Van  
Rossum





# Why learn Python?

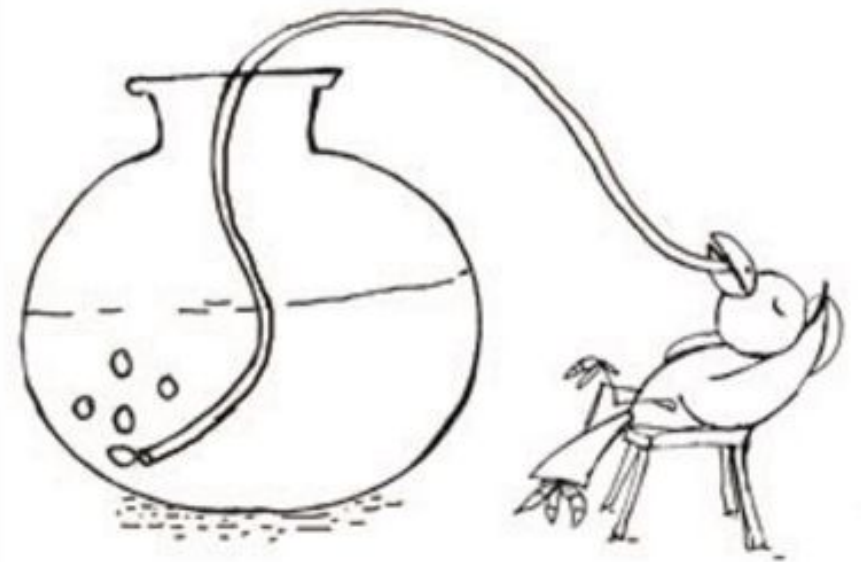
Non-programmer



Programmer



Python Programmer





# And why learn now?



**SOURCE:** <https://www.jetbrains.com/research/python-developers-survey-2018/>

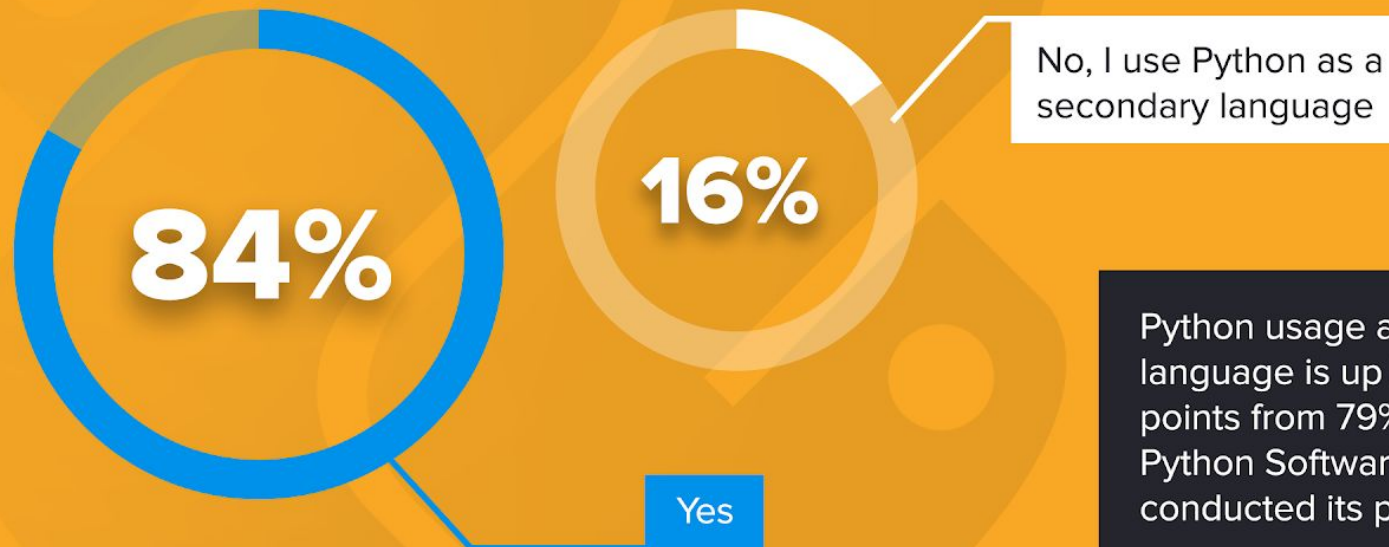




## And why learn now? Cont..

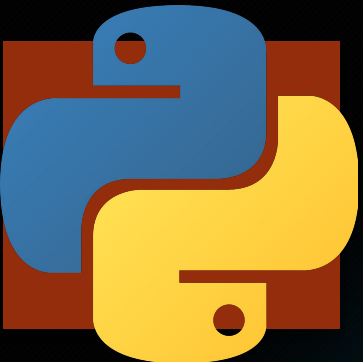
### General Python Usage

Python as Main vs Secondary Language



Python usage as a main language is up 5 percentage points from 79% in 2017 when Python Software Foundation conducted its previous survey.

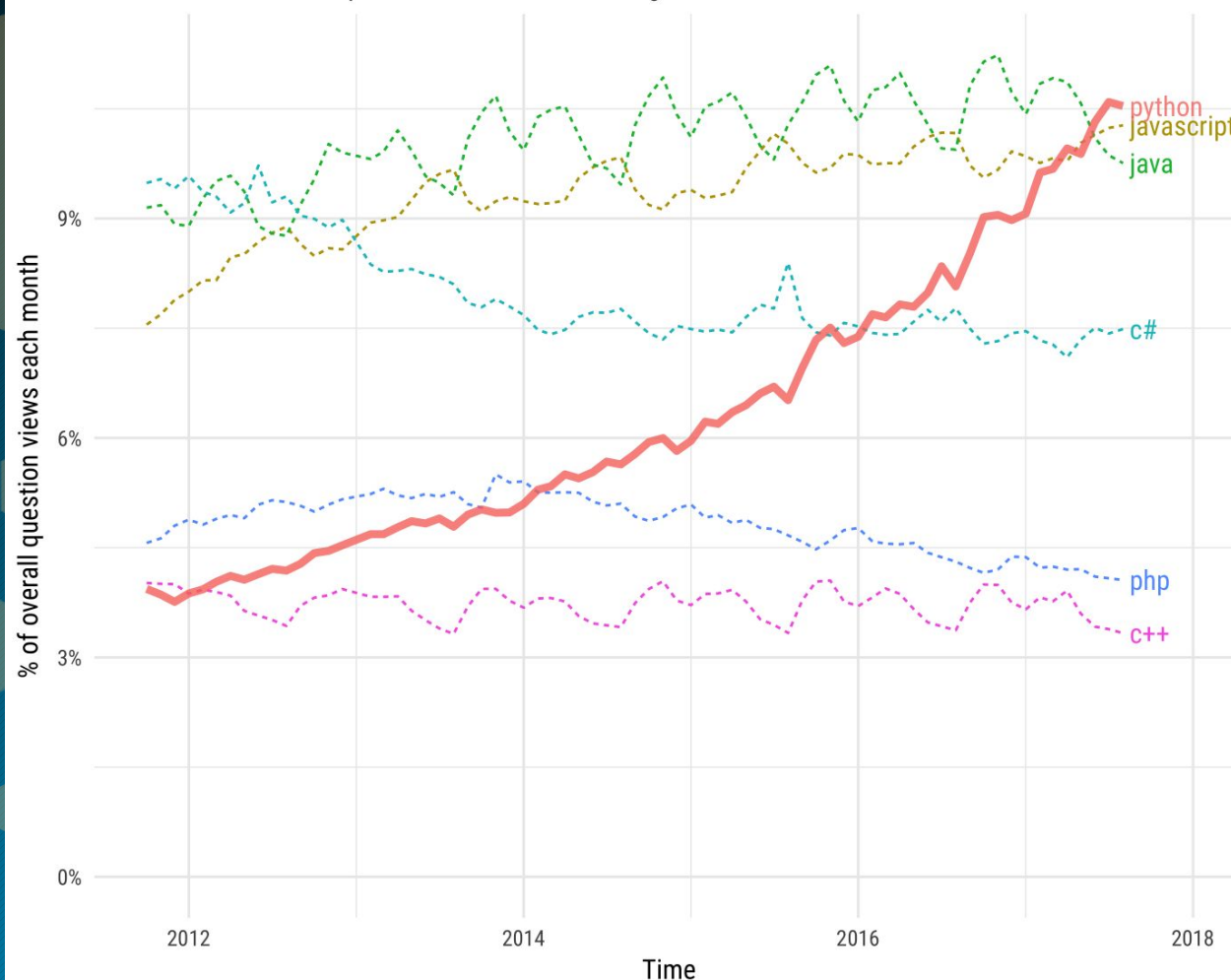
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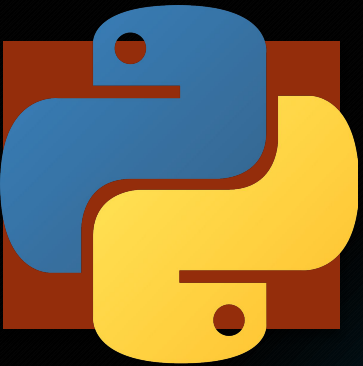
# And why learn now? Cont..

## Growth of major programming languages

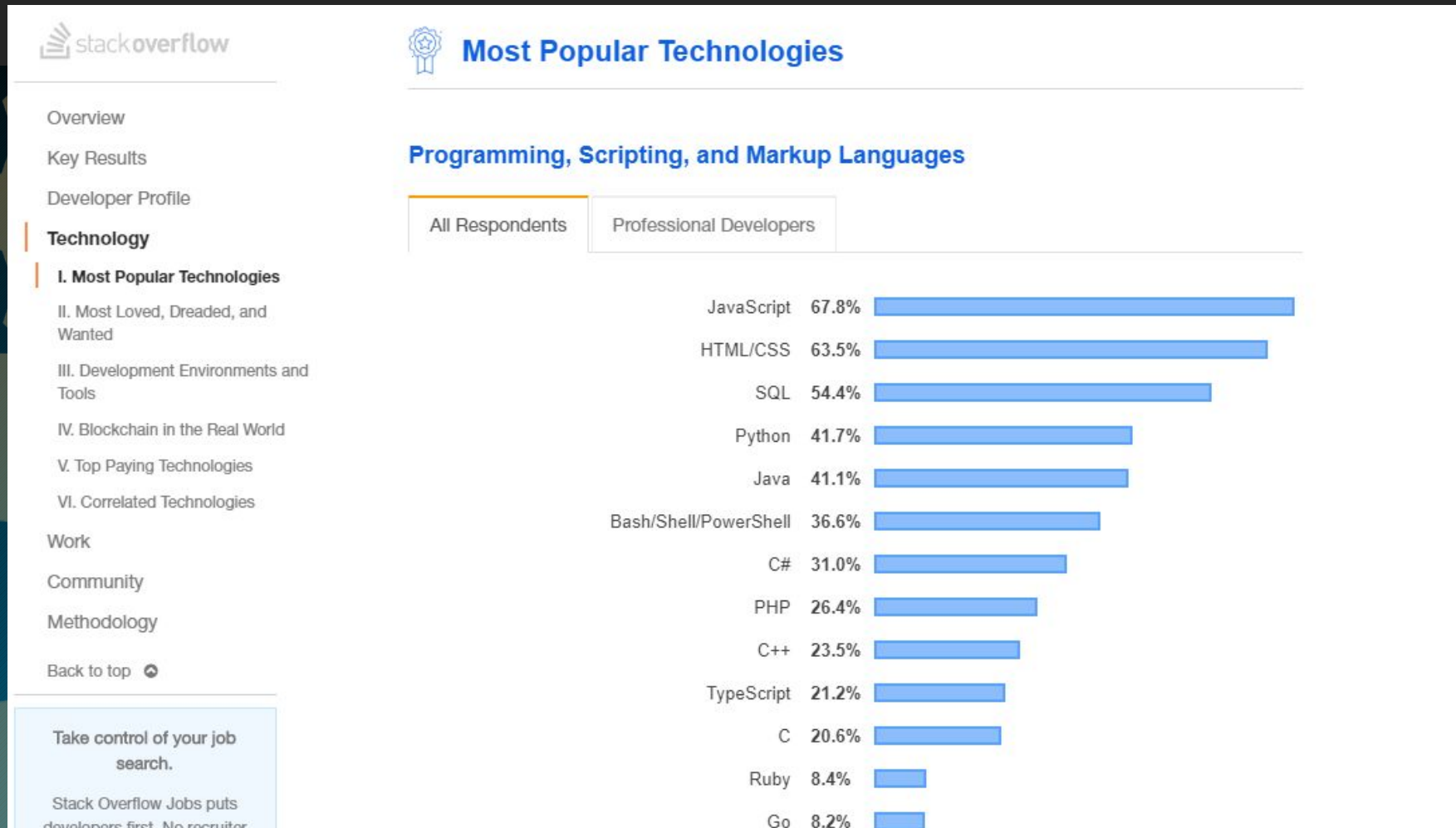
Based on Stack Overflow question views in World Bank high-income countries





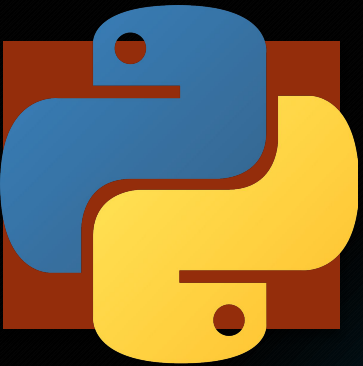


# And why learn now? Cont..



<https://insights.stackoverflow.com/survey/2019#technology>





# And why learn now? Cont..

Google

most demanding programming languages 2019

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About 172,000,000 results (0.69 seconds)

According to learnworthy.net

Java Python JavaScript C++ C# Perl PHP

**The top 7 most in-demand programming languages of 2019 are:**

- Java — ~65,000 jobs.
- Python ~62,000 jobs.
- JavaScript ~ 39,000 jobs.
- C++ ~ 37,000 jobs.
- C# ~ 28,000 jobs.
- Perl ~ 14,000 jobs.
- PHP ~ 17,000 jobs.

Aug 14, 2019

learnworthy.net › 7-most-in-demand-programming-languages-of-2019  
7 most in-demand programming languages of 2019 - Learn ...

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# What can I do with Python?

## The Python Package Index (PyPI)

PyPI has over more than 160,000 packages. Here are some of its functionalities



**Graphical User Interfaces**



**Scientific Computing**



**System Administration**



**Image Processing**



**Web Frameworks**



**Test Frameworks**



**Documentation**



**Databases**



**Multimedia**



**Networking**



**Automation**



**Text Processing**

**SOURCE:** [https://en.wikipedia.org/wiki/Python\\_\(programming\\_language\)](https://en.wikipedia.org/wiki/Python_(programming_language))





# Who uses python ?

## 16 Famous Companies that uses PYTHON







# Python Technical Strength(Features)

- Easy to **CODE**
- Easy to **READ**
- Free and **Open** Source
- **Object-Oriented** Language
- **Large** Standard Library
- **GUI** Programming Support
- **Cross-platform** Language
- **Very Powerful**
- Extensible
- Interpreted Language
- Extensible
- Expressive
- **Dynamically** Typed
- **Databases** Connectivity...



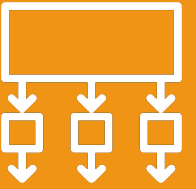


# What after learning python?





# What are your next steps?



- Think an idea for your next project



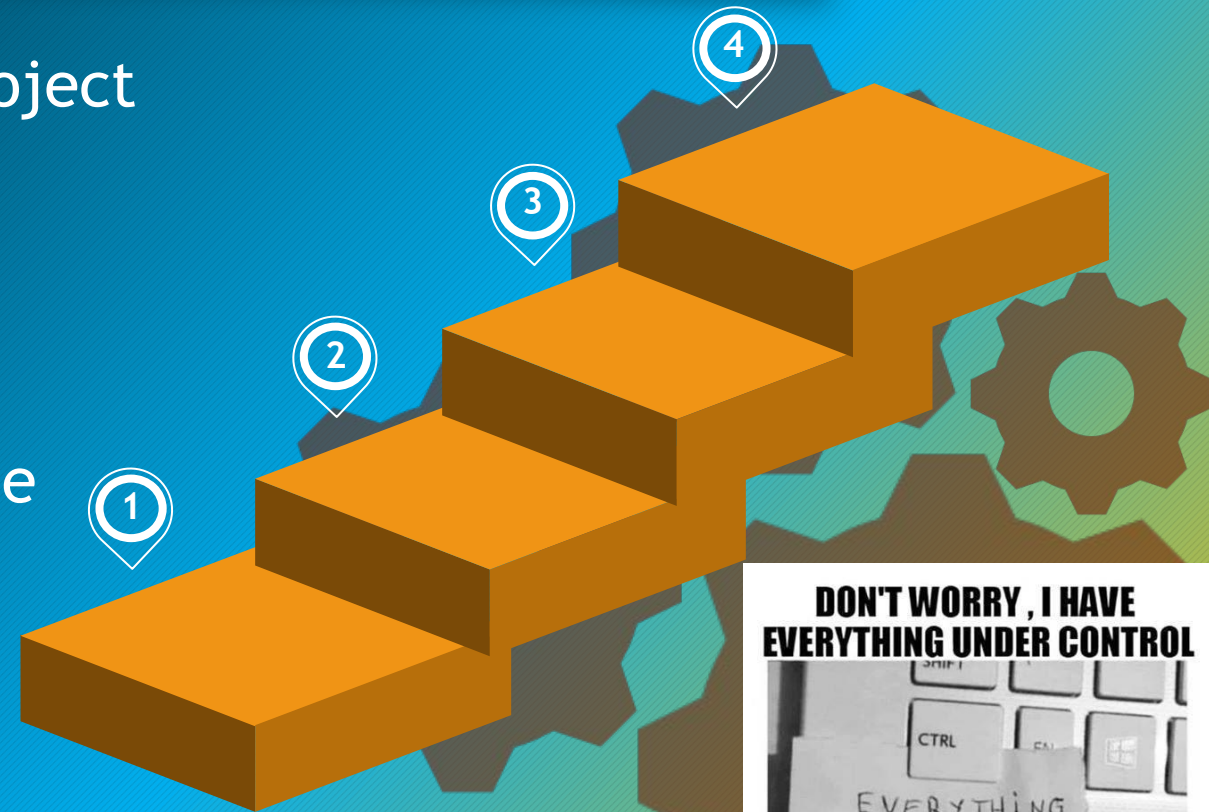
- Practice coding with python



- Try to solve small piece at time



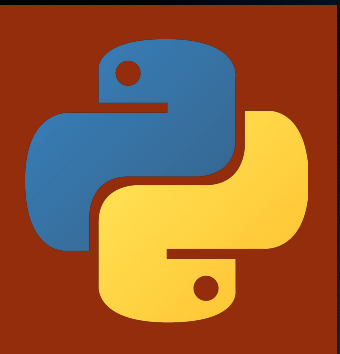
- Finish your project goal



**DON'T WORRY, I HAVE  
EVERYTHING UNDER CONTROL**







Thank you

