







Compare price on E-commerce sites using Python

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Agenda



1	What is Python?
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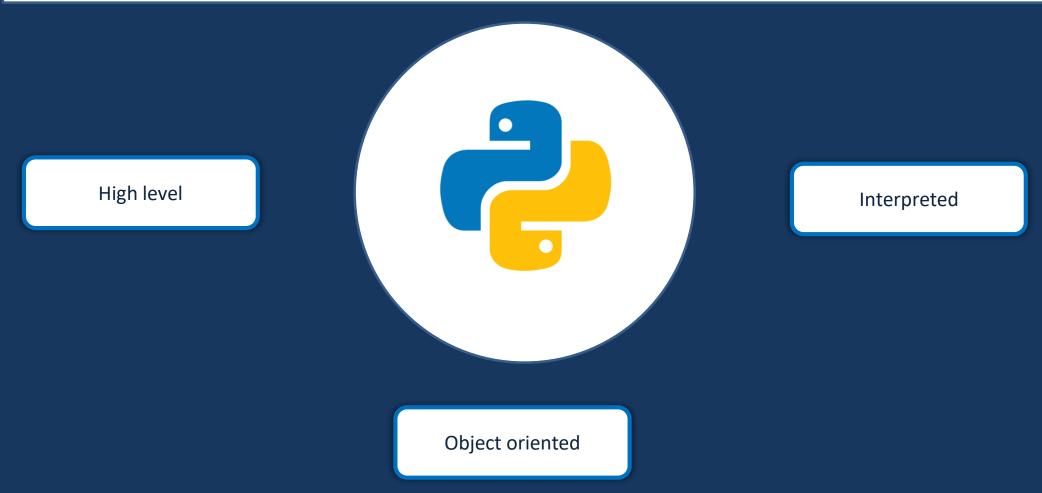
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- Why Python is so popular?
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- 8 Is web scraping legal?
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Introduction to Python

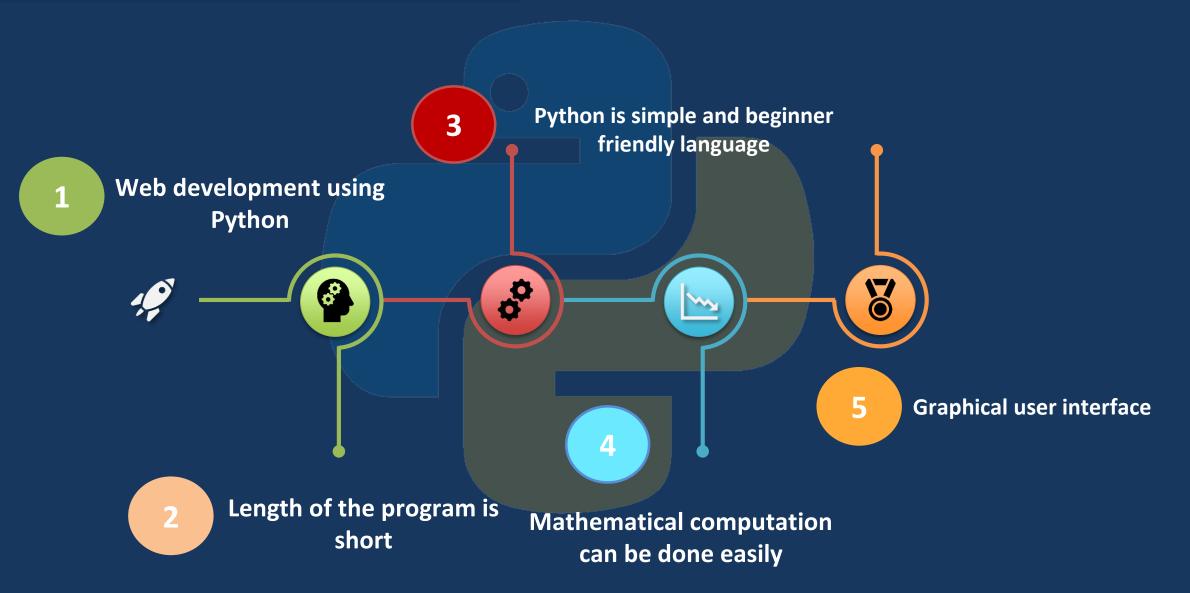


Python is a popular high level, object oriented and interpreted language



Why should you learn Python?





Why Python is so popular?



1 Largest community for Learners and Collaborators

Open source

3 Easy to learn and usable flexibility

Huge numbers of Python libraries and Frame work

Supports Big Data, Machine Learning and Cloud computing

Supports Automation

Installing Python



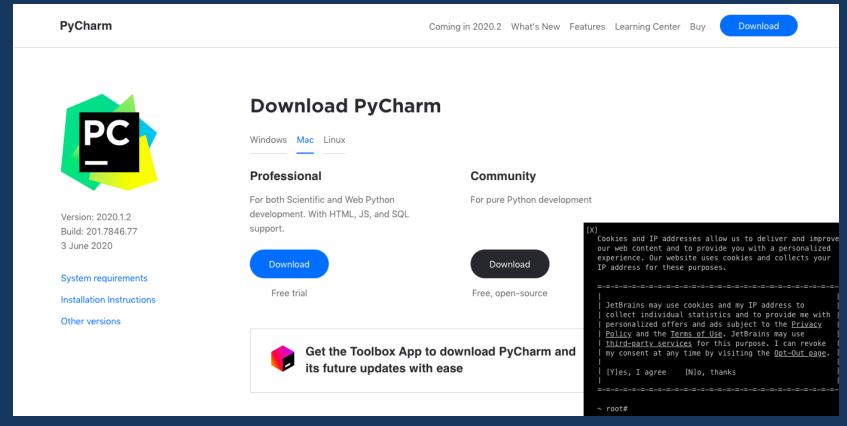
This is the site to install Python -> https://www.python.org/downloads/



Popular IDE for Python: Pycharm



Site to install Python -> https://www.jetbrains.com/pycharm/download/#section=mac



Popular IDE for Python: Anaconda



Anaconda installation site-> https://www.anaconda.com/products/individual



Individual Edition

Your data science toolkit

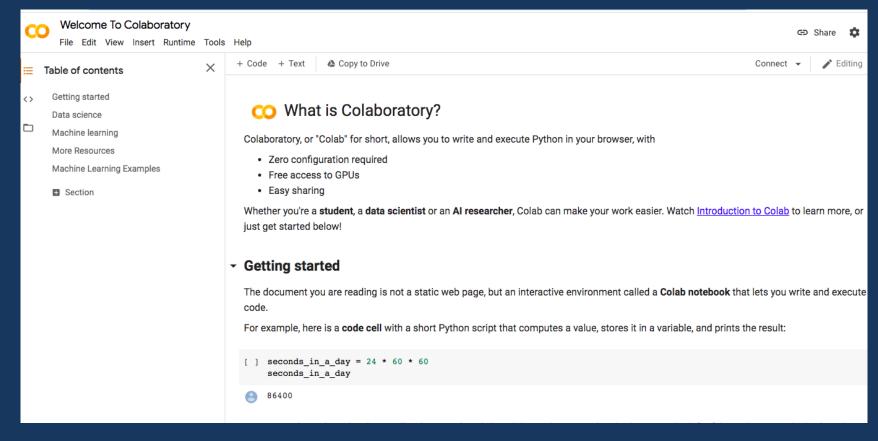
With over 20 million users worldwide, the open-source Individual Edition (Distribution) is the easiest way to perform Python/R data science and machine learning on a single machine. Developed for solo practitioners, it is the toolkit that equips you to work with thousands of open-source packages and libraries.

Download

Popular IDE for Python: Google colab

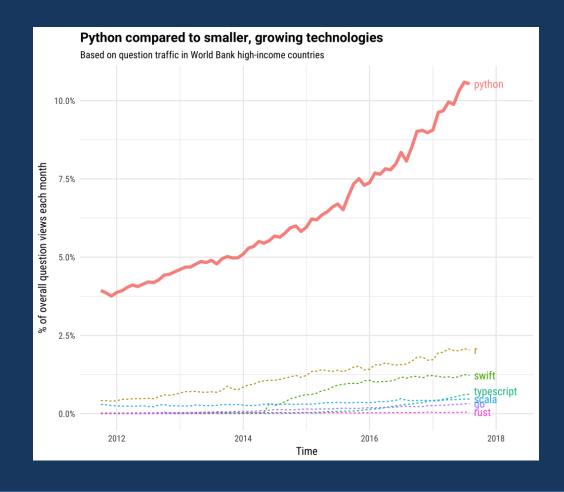


Google collaboratory link-> https://colab.research.google.com/notebooks/intro.ipynb



Statistical measurement on Python user





In recent time it is prominent that Python is one of the most popular language because of it's simplicity





Web Scrapping

What is web scraping?



Web scraping stands for the extraction of data from a website

- The information is collected from the websites according to the need
- and then exported those data into a proper format
- Web scraping can be done manually as well
- But normally preferred to use automated tools for the web scraping



Why web scraping is needed?





- Fetch email address gathering
- List the jobs
- Price comparison
- For the case of research and development also web scraping is needed

Is web scraping legal?





- Yes, Web scraping is legal
- You are allowed to scrape anything which is publicly available
- But if you are sending multiple requests in a very short spend of time to Amazon then your real IP address will be banned





Python Library To Do Web Scraping





Beautiful Soup

What is Beautiful soup?



Beautiful Soup is a part of Python library to get the data out of HTML, XML, and other markup languages

- If you want to fetch data from some particular website but they don't provide downloading the data
- In that case Beautiful Soup helps you to fetch the data or the particular content by removing the HTML tags



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Build a Python app to Compare price on E-commerce sites



Thank You