

Basics of Python Programming

Python Tutorial

Introduction to Python

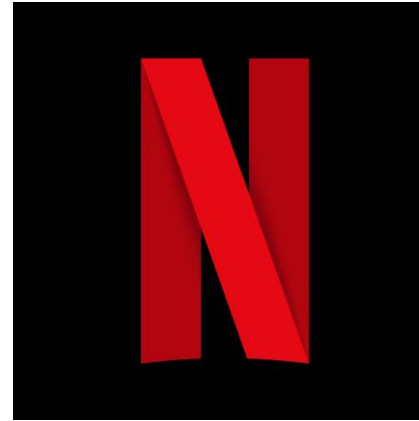


- ❖ Python is an interpreted, object-oriented, high-level programming language with dynamic semantics.
- ❖ Its high-level built in data structures, combined with dynamic typing and dynamic binding, make it very attractive for Rapid Application Development.

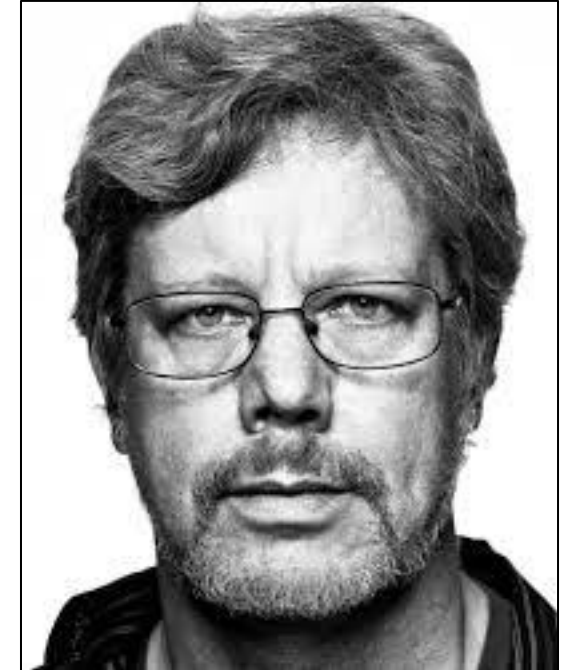
Which Company Uses Python?



- ❖ Netflix
- ❖ YouTube
- ❖ Dropbox
- ❖ Google
- ❖ Quora
- ❖ Pinterest
- ❖ Uber
- ❖ Etc....



- ❖ **Python** was conceived in the late 1980s and its implementation was started in December 1989.
- ❖ Invented by Guido van Rossum.
- ❖ Current version of Python is 3.x
- ❖ Python 2.x is now closed.



Guido Van Rossum
Python Inventor

- 1) Download Anaconda Distribution
- 2) Open any IDE (Spyder/ Jupyter Notebook)
- 3) Run your first Python Code

Link to Download : <https://www.anaconda.com/products/individual>

Installation of Python



1) Download Anaconda Distribution

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Anaconda Installers

Windows

Python 3.7

64-Bit Graphical Installer (466 MB)

32-Bit Graphical Installer (423 MB)

Python 2.7

64-Bit Graphical Installer (413 MB)

32-Bit Graphical Installer (356 MB)

MacOS

Python 3.7

64-Bit Graphical Installer (442 MB)

64-Bit Command Line Installer (430 MB)

Python 2.7

64-Bit Graphical Installer (637 MB)

64-Bit Command Line Installer (409 MB)

Linux

Python 3.7

64-Bit (x86) Installer (522 MB)

64-Bit (Power8 and Power9) Installer (276 MB)

Python 2.7

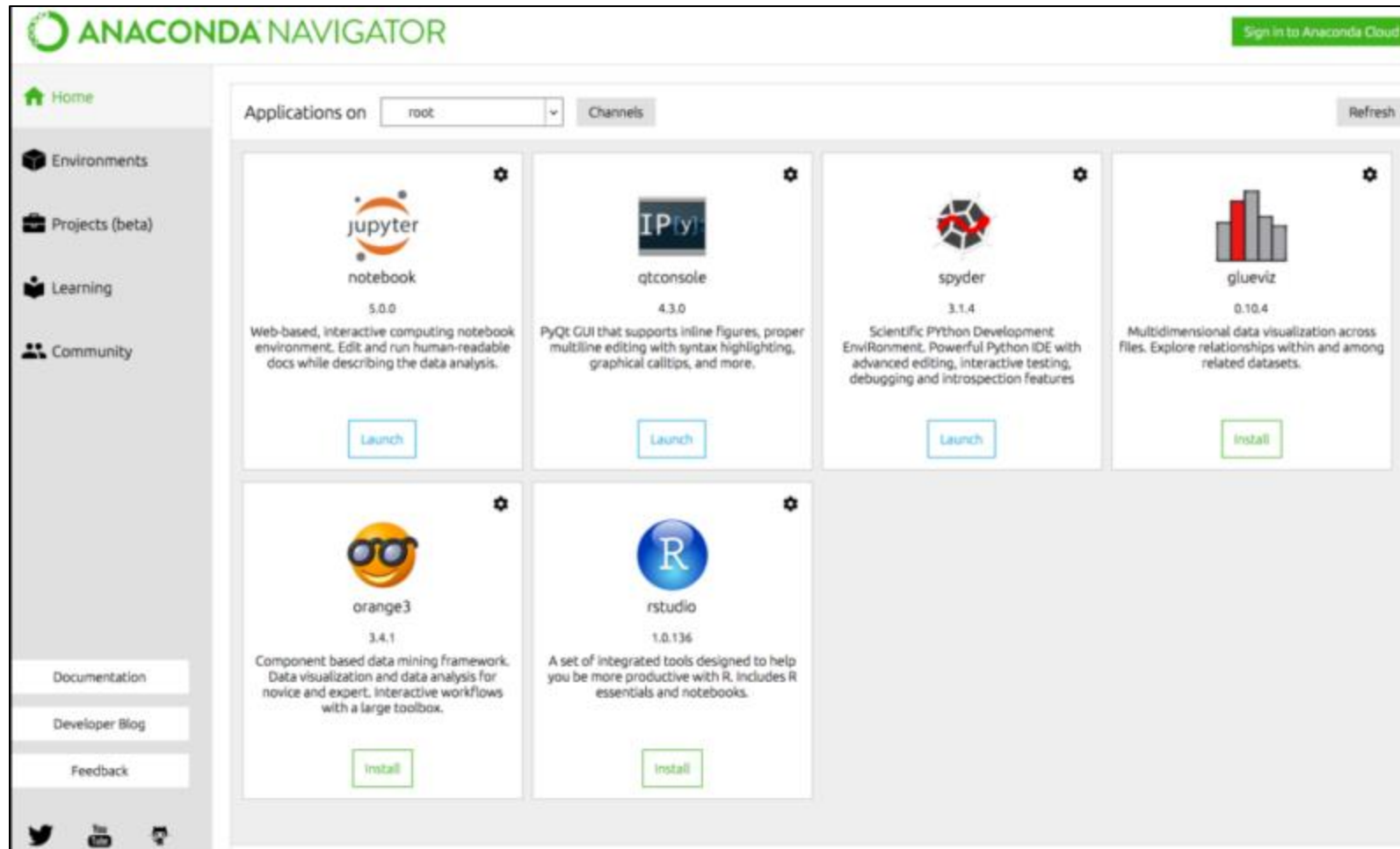
64-Bit (x86) Installer (477 MB)

64-Bit (Power8 and Power9) Installer (295 MB)

Installation of Python



2) Open any IDE (Spyder/ Jupyter Notebook)



Scope of Python : Python Applications

- Machine Learning
- Artificial Intelligence
- Data Science
- IoT
- Computer Vision
- Web Development
- Various Automations
- Data Analytics
- And many more...