**Python**

**#What is Python?**

Python is a widely-used, interpreted, object-oriented, and high-level programming language with dynamic semantics, used for general-purpose programming. The name of the Python programming language comes from an old BBC television comedy sketch series called **Monty Python's Flying Circus**.

**#Who created Python?**

Python was created by [**Guido van Rossum**](https://en.wikipedia.org/wiki/Guido_van_Rossum), born in 1956 in Haarlem, the Netherlands

**#Python goal:**

In 1999, Guido van Rossum defined his goals for Python:

* an easy and intuitive language just as powerful as those of the major competitors.
* open source, so anyone can contribute to its development.
* code that is as understandable as plain English.
* suitable for everyday tasks, allowing for short development times

**#Why Python?:**

* **Easy to learn** – the time needed to learn Python is shorter than for many other languages
* **Easy to teach** – the teaching workload is smaller than that needed by other languages;
* **Easy to use** – it's often possible to write code faster when using Python, for writing new software, application etc
* **Easy to understand** - it's also often easier to understand someone else's code faster if it is written in Python;
* **Easy to obtain, install and deploy** – Python is free, open and multiplatform; not all languages can boast that.

**#Python rivals**

Python has two direct competitors, with comparable properties and predispositions. These are:

**Perl** – It is a scripting language originally authored by Larry Wall;

**Ruby** – It is also a scripting language originally authored by Yukihiro Matsumoto.

**#Why not Python?**

* **low-level programming** (sometimes called "close to metal" programming): if you want to implement an extremely effective driver or graphical engine, you wouldn't use Python;
* **applications for mobile devices**: although this territory is still waiting to be conquered by Python, it will most likely happen someday.