

Python Fundamentals

What is Python ?



- Code → Use Case
- Python is a popular programming language.
 - It was created by Guido van Rossum, and released in 1991.
 - It is used for:
 - web development (server-side),
 - software development,
 - mathematics,
 - system scripting.
 - Data Science



Why Python?

R

AI
ML

- Python works on different platforms (Windows, Mac, Linux, Raspberry Pi, etc).
- Python has a simple syntax similar to the English language.
- Python has syntax that allows developers to write programs with fewer lines than some other programming languages.

C
C++
Java
Py
R
HTML
CSS
JS

cout "Hello"
 ↓
 "olleH"
 2-3 lines
 5-6 characters - 1 line
 print("Hello World")
 str[: :-1] ✓