

About Python

Python is a high-level, interpreted programming language known for its simplicity and readability. It was created by Guido van Rossum and first released in 1991. Python supports multiple programming paradigms, including procedural, object-oriented, and functional programming.

Key Features of Python:

1. Easy to learn and use – Python has a simple syntax similar to English.
2. Interpreted language – Code is executed line by line without compilation.
3. Cross-platform – Works on Windows, macOS, Linux, and more.
4. Rich standard library – Provides modules and packages for various tasks.
5. Community support – A large and active community contributes to Python's growth.

Applications of Python:

- Web development (Django, Flask)
- Data science and machine learning (Pandas, NumPy, TensorFlow, Scikit-learn)
- Automation and scripting
- Game development (Pygame)
- Desktop applications (Tkinter, PyQt)

Python's simplicity and power make it one of the most popular programming languages in the world today.