Python Programming with Notes

→ **what is programming and why to use this?**

We communicate with humans by a language, it can be English or French or Hindi. We will communicate with the next person in the language he/she will understand.
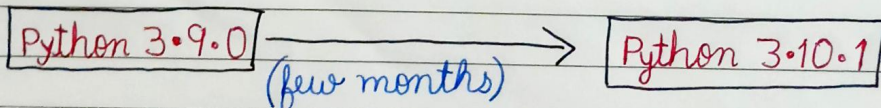
We use a programming language to communicate with a computer.

Every software inside your device has been coded!

→ **What is Python?**

Python is an example of programming language. It is a very simple & easy to understand language. The easy syntax is _____ most helpful to beginners. This is very easy to understand which makes the developement faster. This is a very high level programming language which works on all type of operating systems.

The community is very vast :

Python 3.9.0 ────(few months)───→ Python 3.10.1

Extension of Python file : file.py

Python can be used to create :-

i) games   iii) GUI

ii) websites   iv) Applications

v) AI/ML projects   vi) scientific computation

     + more cool stuff

You can downlod Python here : python.org/downloads/

We will use VS Code for writing our code in this tutorial
Download : code.visualstudio.com/download

If you use VS code, install these extensions :
Python, Pylance

Inside your terminal you can start the Python REPL

REPL → read eval print loop.

You can exit by exit() command.