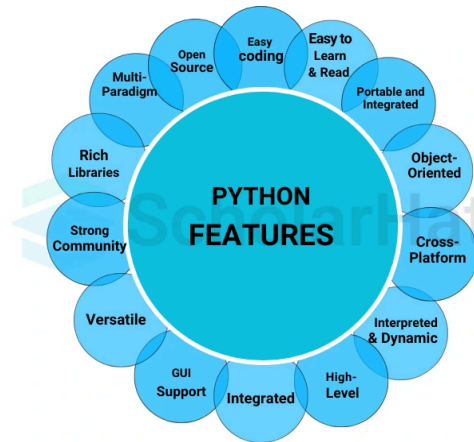# Python Notes

Definition: Python is a high level interpreted dynamically typed programming language which supports oops.

Python is developed by Guiddo van russum and it released on 1991.

Features of Python:

Applications of python:
- Web and mobile Developement
- Machine Learning and AI
- Data Science
- Software development
- Game Developement
- Scripting and Automation

Disadvantages of Python:
- Due to its interpreting execution its performance is slower than the other programming languages like c, c++, and java.
- Python's dynamic typing and automatic memory management leads to higher memory consumption compared to all other programming languages.

Python release versions and its Features:

Python 1
- It is the first version of python released in 1991.
- It included core features like exception handling, functions and core data types. It also introduced the module system.

	Python 2	Python 3
Print statement	Print "Hello world!"	print("Hello world")
Division	5/2 = 2	5/2= 2.5 and 5//2 = 2
Implicit String type	ASCII	UNICODE