

## DAY - 1

### Python :

Python is a high-level, interpreted programming language.

\* It is known for being easy to read, simple and powerful.

\* Created by Guido van Rossum in 1991.

\* widely used in web development, data science, machine learning, automation, AI, game development and more.

### Key Features of Python

1. Simple & Easy to learn syntax is like plain english
2. Interpreted — runs directly, no need for compilation
3. Cross-platform — works on windows, macos, Linux etc.
4. Dynamically Typed — no need to declare variable types.
5. Extensive Libraries — has libraries for almost everything
6. Open source — free to use and distribute.

### Basic Python Syntax :

```
print ("Hello, world!")
```



## Memory

RAM - volatile

ROM - non volatile

## Keywords

Keywords are predefined, reserved words used in Python Programming.  
we cannot use a keyword as a variable name, function name, or any other identifiers.

Identifiers - Identifiers are the name given to variables, class, methods etc.

variable

int a

= 100

literal

↑

variable (or) identifiers