Day-01- 19/09/2025

1) What is programming?
Set of instructions are given to machine to perform specific task is called as Programming.

2) What is Programming Language?
To give instruction to machine we use programming languge to perform the given task.

3) Different level of Programming.
=> Low level /or Binary Programming.
=> Assembly Level Programming.
=> High Level Programming.

4) Languages.
High level, Interpreted, Object oriented programming, Indented programming, Dynamic programming Language.

5) Who is the developer of Python.
Guido vann Bossum in the year 1985
Launched 1st Python is 1991 "Feb 20"
2nd Version Python 2000 "Oct 16th."
3rd Version Python 2008 "Dec 3rd"
* He started working on it in 1989 at the National Research institute (CWI) in the Netherlands

6) Features of Python.
Python is a versatile and widely used Progra-mming Language known for it's readability and extensive capabilities. Here are some of it's key features.
* Easy to learn and Read.
* Interpreted Language.
* Dynamically Typed.

* Free and open source
* Large Standard Library
* High Level Language
* Object-oriented programming (OOP)
* Platform independent
* Extensible and Embeddable
* GUI programming support
* Large community support

Advantages

* Ease of Learning and use
* Vast Libraries and Frameworks
* Versatility
* Large community support
* Open source & Free
* Portability

Disadvantages

Speed Limitations
Memory Consumption
Weak into Mobile Computing
Runtime Errors
Global Interpreter Lock (GIL)