**DAY-03:** 13/02/2025

**Objectives:**

* Python programming
* How to write first program
* Perform basic operations
* Python data structures
* Python OOPs concept

**Interview question -** Difference between AI and ML:

* AI: A machine can learn, think and take appropriate decisions on it’s own is nothing but Artificial intelligence.
* ML:
* Find the answer to this.

**Python Introduction:**

* Python is a high level language which means that it can be easily understandable by humans unlike the low level languages (languages using machine level instructions).
* High level languages are: C, C++, Java, Python
* It supports multiple programming paradigm.
* Multiple programming paradigm : Different ways to structure and implement the computer programs like object-oriented, procedural, functional.
* Uses an interpreter that converts th high level instructions into machine language, step by step.

**Python Interfaces:**

* **IDLE** : cross platform development environment. **Cross Platform** means the same program can be modified and run on any other development environments as well.
* **Anaconda** : Python distribution to focus on data driven projects
* **PythonWin**
* **PythonShell**