* What is Programming?

. Programming is the process of writing instruction that a computer can understand and executes to perform specific tasks.

* Types of Programming.

1. Low Level Languages

. These are close to machine language and hard for humans to read but very fast for computers.

Types: 1. machine Language: written in binary code (0s & 1s)
Ex: 100100011

2. Assembly Language: uses short codes called mnemonics instead of binary. Ex: mov A,B

2. High Level Language

. These are easy to read, write and understand (close to human language)

. They must be translated into machine code using compiler (or) interpreter

Ex: Python, C++, Java, JavaScript.

3. Middle - level languages
- They combine features of both low-level & High level languages
- They can access hardware directly but also have simple syntax.

Ex: C language.

4. Domain Specific languages (DSLS)
* Languages designed for Specific tasks (or) domain
   Ex: SQL, HTML/CSS

* What is Python

- Python is a Programming language that allows developers to write clean and logical code for both small & large scale Projects.

* Key Features

1. Easy to learn and read - use / Simple english like Syntax
2. Interpreted - line by line execution
3. object oriented - Support classes & objects
4. Dynamically typed - No need to declare variables
5. Extensive libraries - come with large set of inbuilt libraries