

functions

Procedural programming: same that structured pp, but not the same like functional pp

OOP: classes / objects

Entorno de programación

- Sistema operativo
- Compiler / interpreter

C

Python, JavaScript

Java → JDK → Java → JRE → byte code .class

C# oop

vb.net oop

F# functional

- text editor

Notepad ++
Sublime

IDE

Dev C++ → C

Netbeans → Java

Eclipse → Java

Visual Studio.net → C#, F#, vb.net solo en windows, give us a powerful code editor and intelligence

- Version control system

- Comands Line

Fundamental OPP

Get requirements

Design UML diagrams

Features

Java: camel case

C: snake case

Public all can use

Private only the methods inside class can use

Protected

Clean code

Primitive data type / abstract data type

int

float

char

person

etc

Input → Is easier if it is by a user interface, intuitive



Exception → avoid that the user make mistakes

Data persistence → json, mongoDB (no sql)

Encapsulation → in class, packages → use MVC patterns

Getters and Setter

read

modify

Constructor we have the class who have the constructor (object class parent of all)

Student = new student ("1", "Leonel", 17)

Inheritance → parent class, superclass, subclass



Testing → Most important thing in a project

Validation → everything is done

Verification → everything is done right