

* Program → 0101010101010101

Binary

Program in binary

Assembly Abstraction

Program → ADD R0, 1

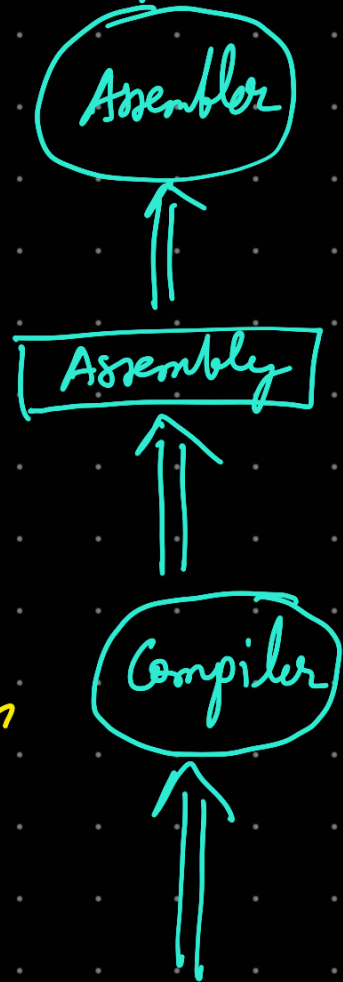
High level Abstraction

Program → C = C + 1

collection of Data + Instruction
function

Program at HLL → stream of ASCII characters
[Developer Level]

combination of character.



↓
Token

↳ Most fundamental
concept of
compiler

Note:- Final exec/object file binary
format depends on type of
operating system. Each compiler
adds extra bits which identifies
how to read the executable

E.g → PE → Windows

ELF/COFF → Linux

Mach-O → MacOS