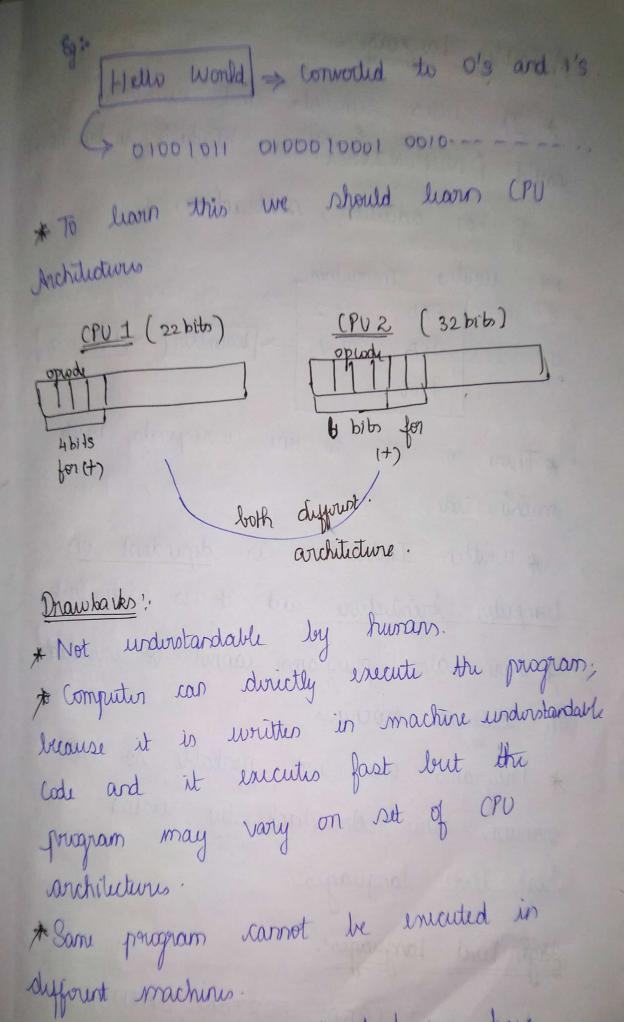
C_02 -> Low Level Vs High Level
Larguages
evels of Programming Languages:
> Low Level (Machine large and Assembly Is
> Joseph Level (C, C++, Java, etc
Low Level Languages!
-> Machine Larguage
> Assembly language.
So it is called low level. For this we need to learn Architecture
CPU and configuration. * Indulature of CPV are different for
ifferent machines.
Program written in 0100 0100 1000 1000 1000 1100
eneway and do task settions the data in 0/3418.



To overcome this drawback we have Assembly Level Languages.

Assumbly Language: * It was symbols and numbers called PNUMONICS (human ruadable instructions) gran addition, subtraction, we write, Instruction ADD 1+2 SUB 2-1 -> [Assimbly] -> [M/c code] Mov * There is one to one corresponds with machine Code. * Written Instruction is dependent on Computer brotilecture and it is drawback. * Here also programs cannot be executed on different machines * Programs are not portable, so we evencome this drawback by using high level languages. High Level languages! * C, C+T, COBAL, FORTON, JAVA, Python, Peu, PHP, Ruby

A High Level Languages are not machine dependent architecture.

* It is close to humans, understandable by

Rather than dealing with registers, memory address, machine Codes; High Level languages deals with Malternatical Notations, Variables, Irywords etc.

* C has lower level of abstraction, we nud not want to learn low level or system details like specification of CPU, processor and compater system.

* For addition, subnaction we rund not want to write ADD, SUB, MOV symbols instead we write dividly.

Write +,- ... etc.

Compiler and Interpretor:

* Programs written in high level large are Converted to machine code * Compiler takes complete source code and Converts to object code; after Converting the Machine executes the Code. Interpreter will not convoid to appile by line and do parallel task by converting source code to object code and execution of code.

by Interpreter.

Drawback:

* Pgms written in high level log are Converted to marchine code which takes

son run on different machine, independent of computer sorchitectures.