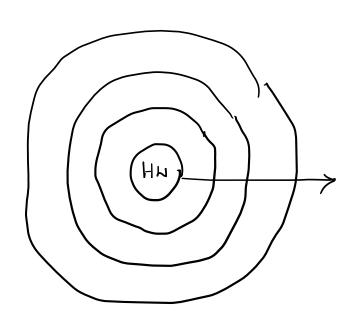


System untric view

- Efficient usage of compuler system
 Effective utilization.
- User convenience.
- _ Non-interference.

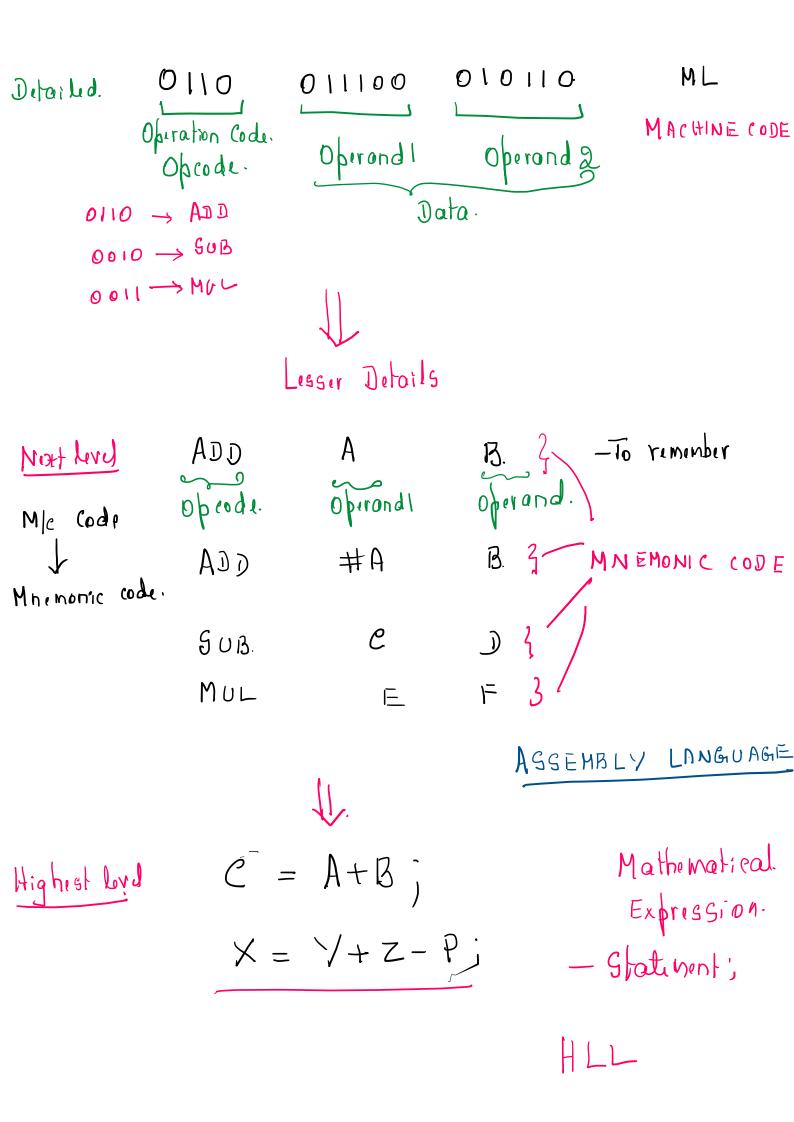


Abstracting more and more inner details (Hw)

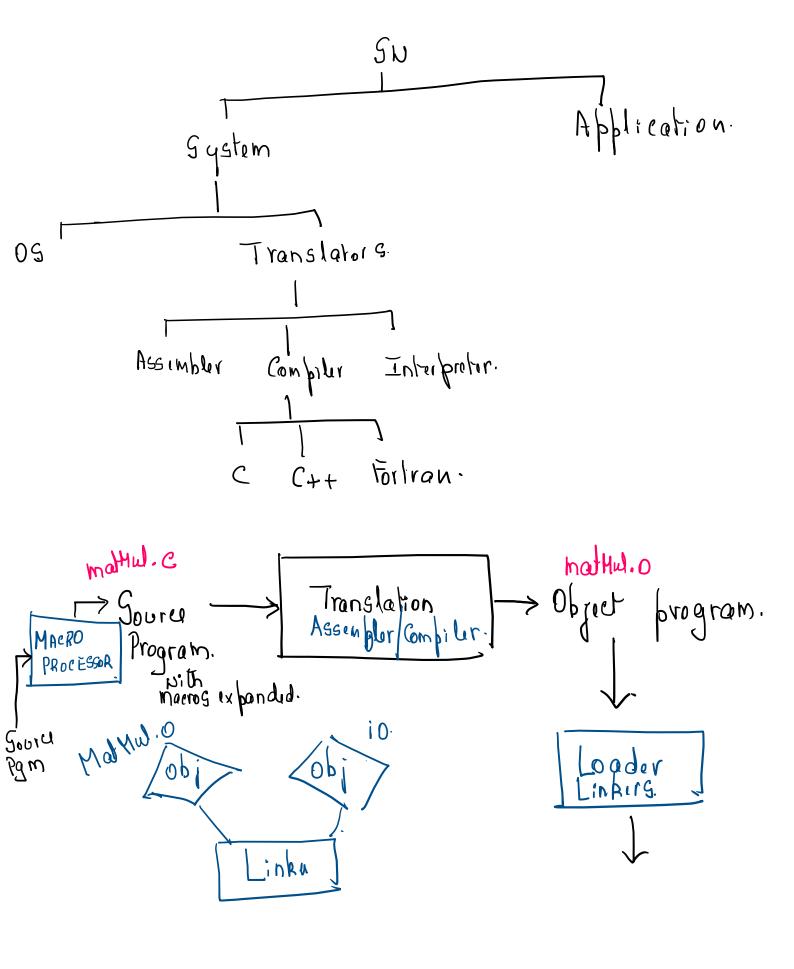
Historical Moring away from hard aspects of more

computing system -> Soft aspect

Initially: Person -> familiar with HN aspects of a computing



Me Code Object Pgm. Hardor Tranlation. ASSEMBLERS. Mnimonic Code. AL Translatio State ment COMPILER Source Pgm. > HLL Softer MACHINE HIN + Translators + Library Programs System Otiliy Programs 110 05



Assimbly.
Loader
Linkir.
Macroproussor.
Test Proussor
Stool.

Compilers

Interpreters

Dibuggers.

Operating system.

Database Management System.

Nutwork connection.