#4 Generation To overcome the problems in building applications and distributing them with operating system instruction-set, the high-level programming languages are introduced. like c, c++, cobol, fotran etc The high-level programming languages provides their own instruction-set, these instruction-set are 1. english like language instructions, which are easy to [additional piece understand and read it of s/w that needs to 2. the syntaxes and semantics of writing these instructions are be installed on the - #instruction-set-developer friendly and quick to code os of the computer] [write the software programs using so instead of writing the programs using operating system programming language provided high-level instruction-set, write using HLL instruction-set. instruction-set] programming language [sourcecode] program (instructions) [Windows] [Linux] [Mac] [compiler or interpreter is a tool 10110 10110 provided by high level programming language that takes care of translating the high-level lang instruction-set instruction-set 205 into operating system specific instruction-set] (system routines) Compiler operating system [HIT] [HIT] [HIT]

[operating system executable

instruction-set]

(intel)

processor hdd

computer/ machine

motherboard ram

