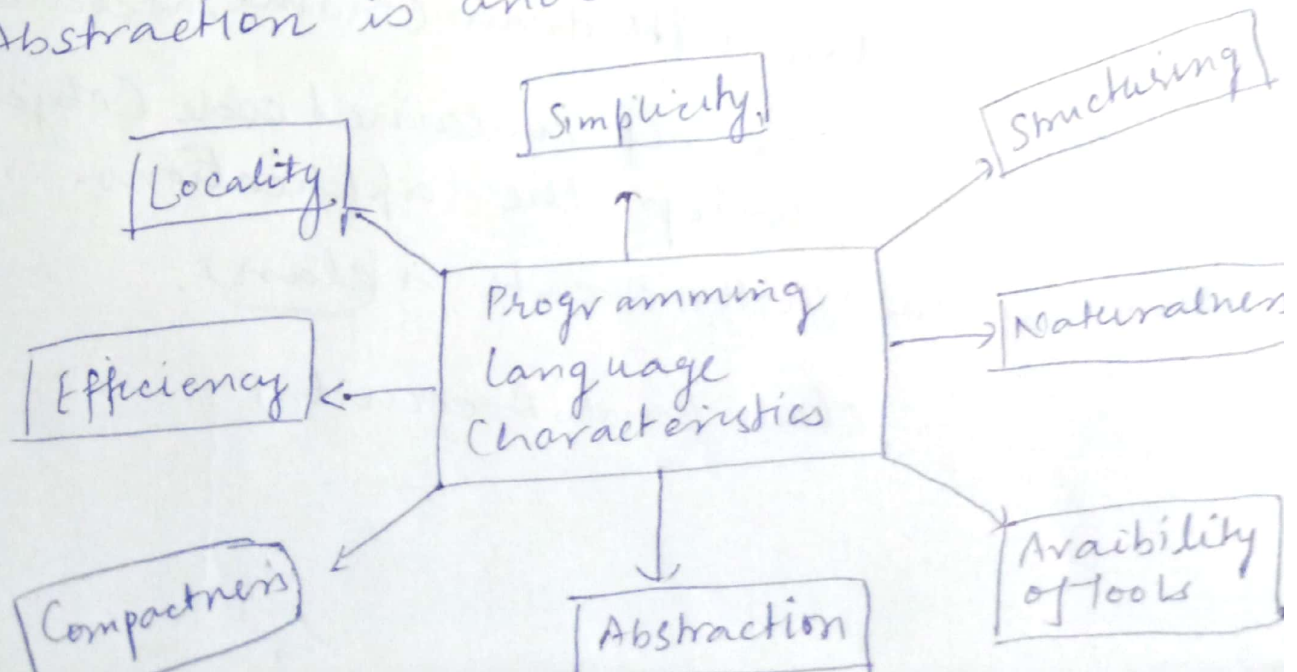


Lec-3

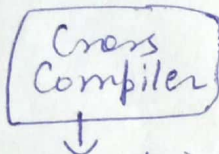
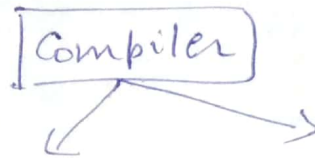
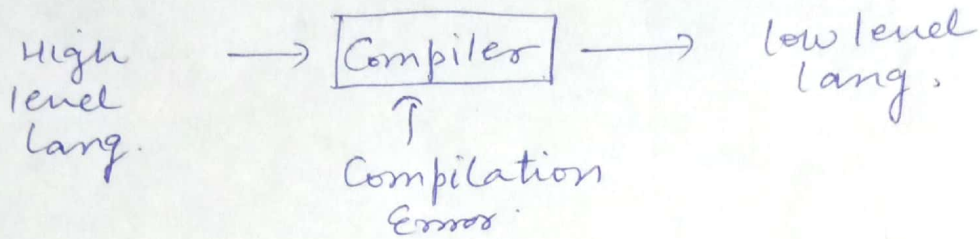
14) Characteristics of a programming language:-

- ① must be simple, easy to learn and use, have good readability and human recognizable.
- ② efficiency of a programming lang. must be high so that can be easily converted into a machine code, and executed consumes little space in memory.
- ③ Necessary tools for the development of debugging testing, maintenance of a program must be provided by a programming language.
- ④ should be well structured and documented so that it may be suitable for applications development.
- ⑤ A PL must be consistent in terms of syntax and semantics.
- ⑥ Compactness → possible to express operations concisely without writing too many detail. Abstraction is another.
- ⑦
- ⑧



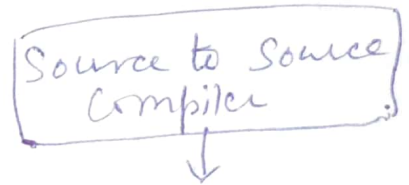
(2)

→ Compiler :→ Compiler is a software which converts a program written in high level language (Source lang.) to low level lang. (target machine).



runs on a machine A and produces a code for another machine B.

→ capable of creating a code for a platform other than the one on which the compiler is running.



→ Trans Compiler or Transpiler

→ It translates source code written in one programming lang. into source code of another prog. language.