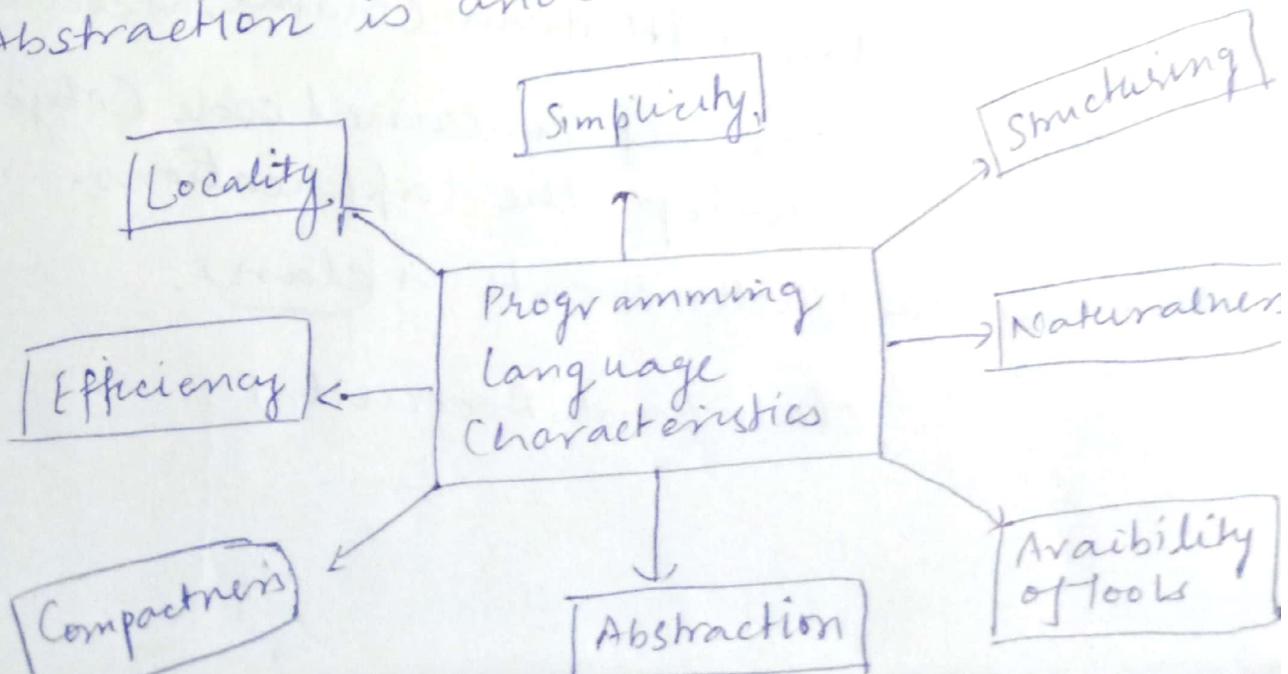
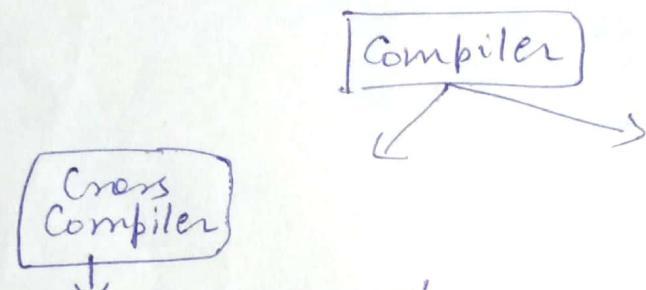
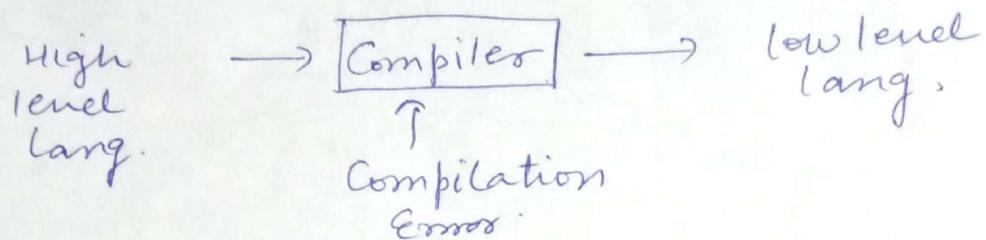


- ④ Characteristics of a programming language:-
- ① must be simple, easy to learn and use, have good readability and human recognizable.
 - ② efficiency of a programming lang. must be high so that can be easily converted into a machine code, and executed consumes little space in memory.
 - ③ Necessary 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 application 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



→ Compiler :→ Compiler is a software which converts a program written in high level language (source lang.) to low level lang. (target machine). (2)



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.

→ Transcompiler or Transpiler
→ It translates source code written in one programming lang. into source code of another prog. langage.