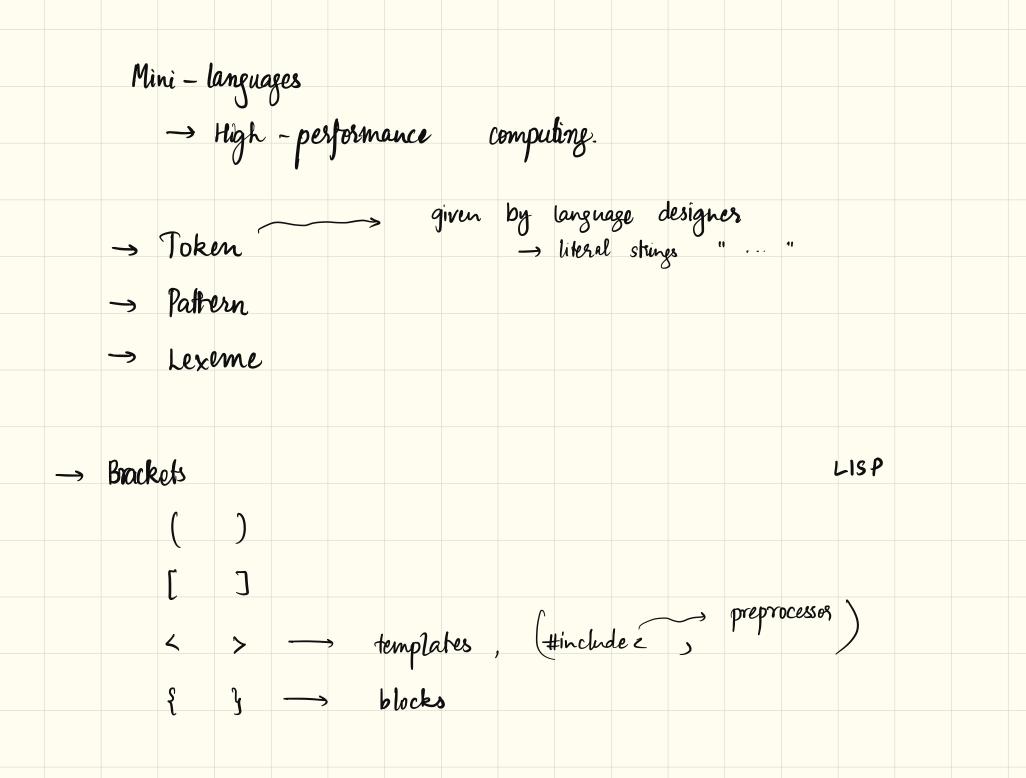
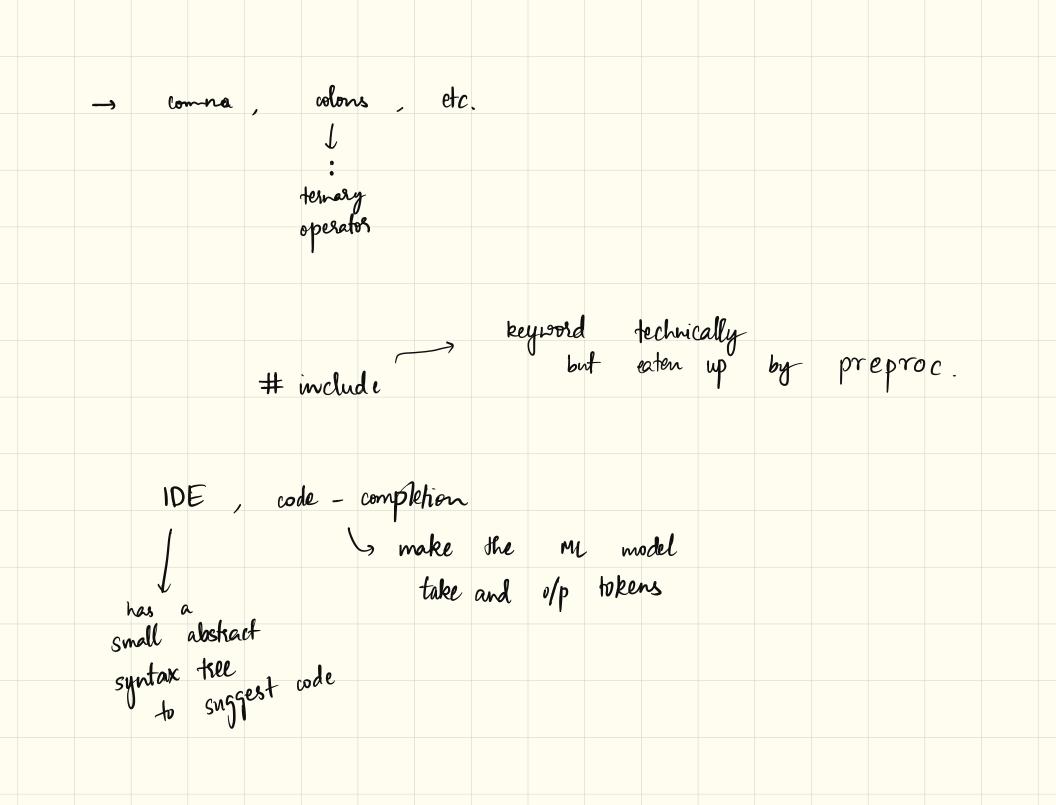
07 Apr 2025 - Compilers -1 - Week 02 syntax analyser = parser annotated syntax tree = abstracted transformations ----- semantically equivalent high-level input = stream unofficially preprocessor replace comments with blank - Appendix, KR , 6 classes of tokens -> Comments do not rest

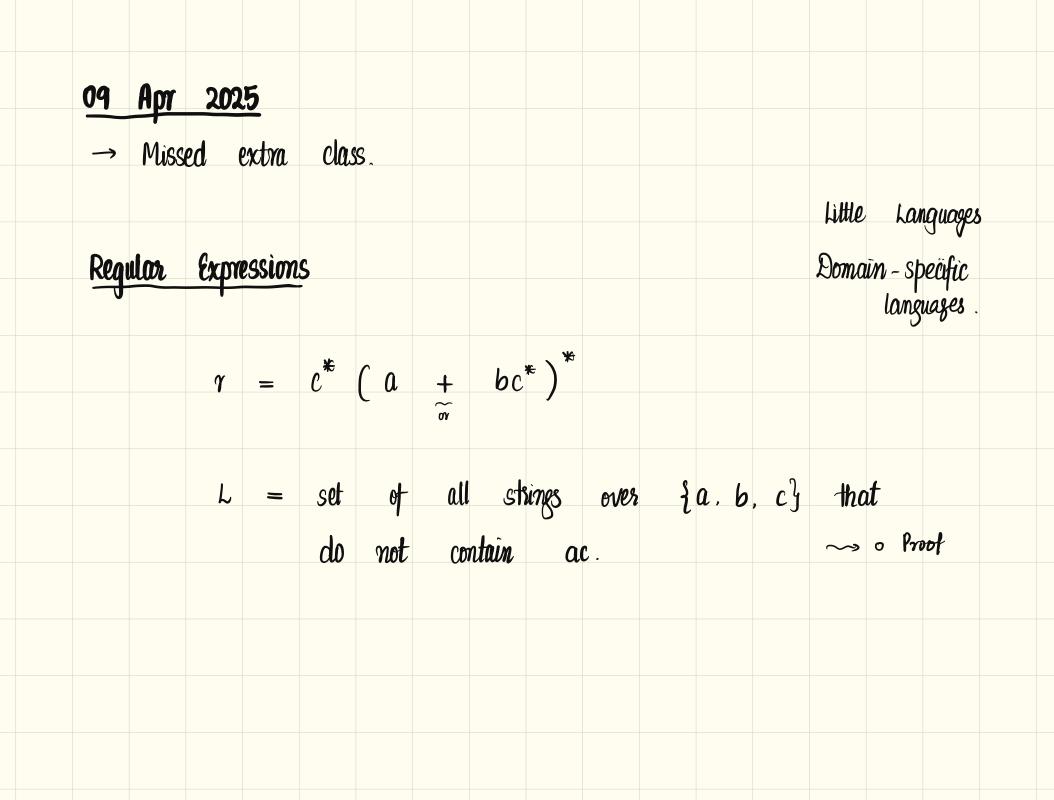
-> Comments ~> greedy algorithm -> Preprocess 1* ok *1 *1 ok /* warning error commented out #if 0 # end if

→ we will not build preproe. -> Why modular? (s good for software design LA 2, not a clear preprocessor -> prepro cessor might do moré vorsk sometimes. -) LA ~, finite automata

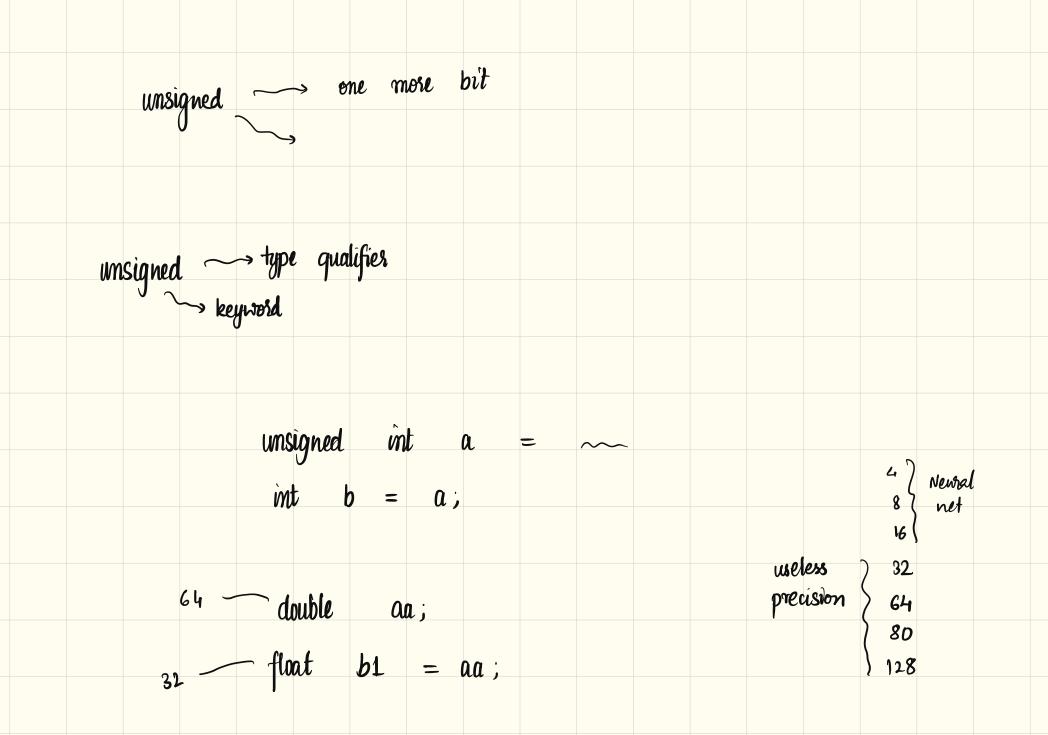
-> keywords -> first step: propose a language. $l(l + d + -)^*$ identifiess old c ~> 31 char > array C ~ stasting new match keywords? regex for identifier also Will Yes

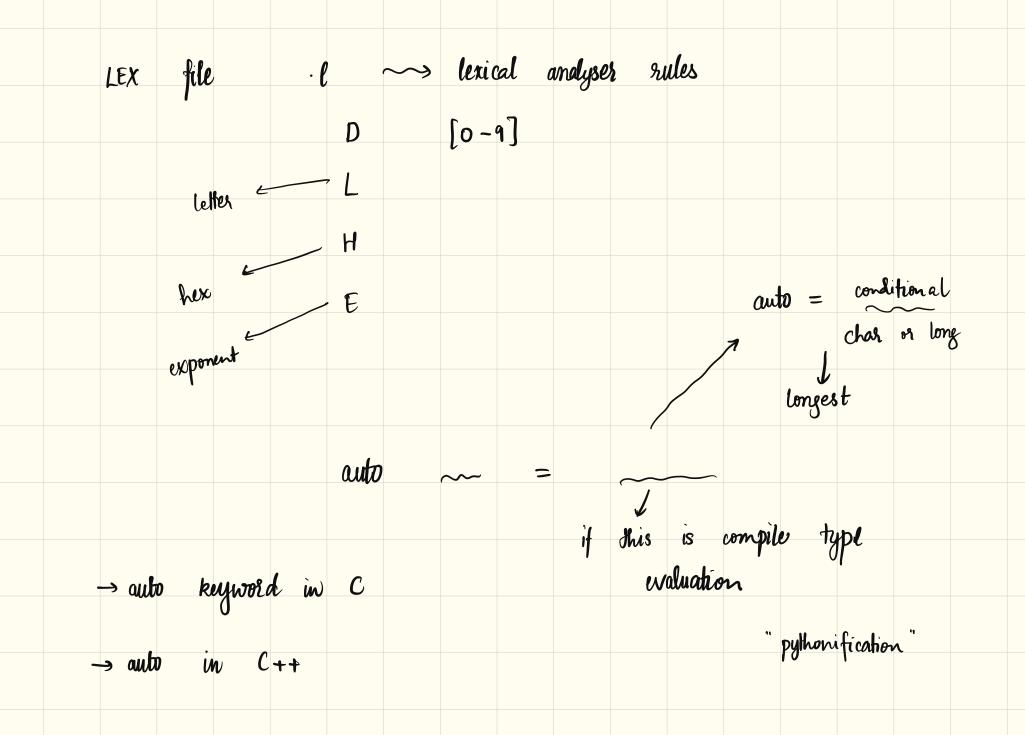


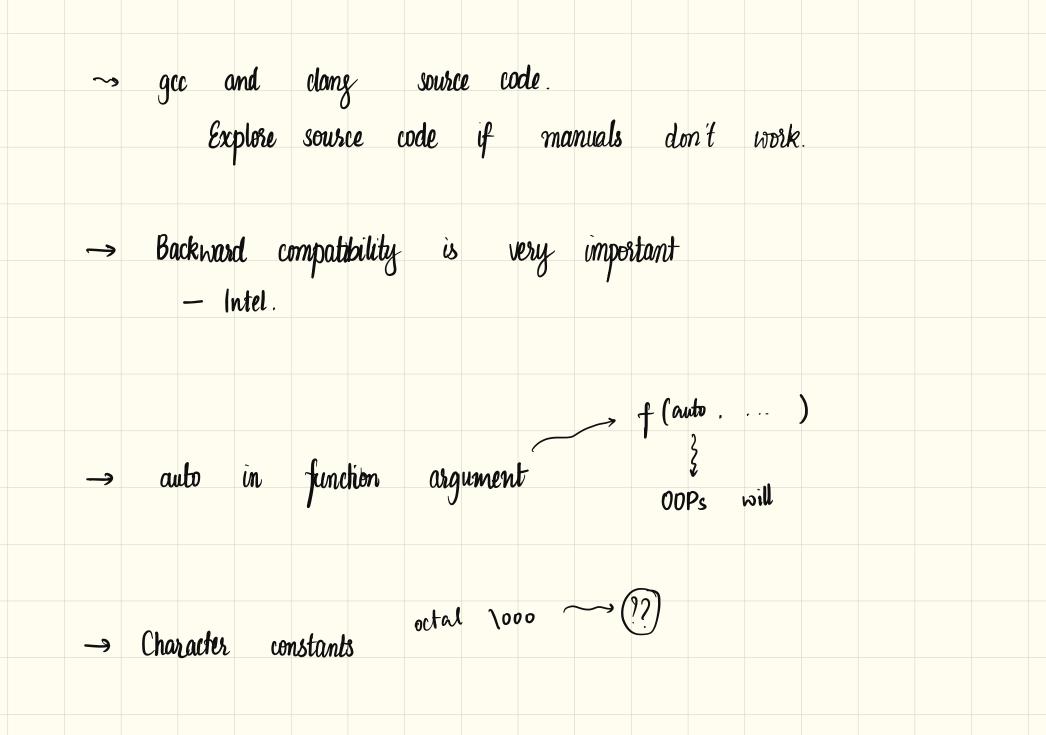




Integer constants KUR $0 (0 + 1 + \cdots + 7)^*$ octal $(0x + 0x)(0 + \cdots + 9 + A + \cdots + F)^*$ hex -> may be suffixed by a or U, L or L; Is the limitation set by language or the compiler? Ill works but l can be confused tu winn. with 1. → μ Θ tu ~> disallowed / warn by some compilers. -> Code compliance







-> Floating Constant