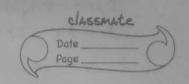
· Declaration are surrounded by special bracket % & and % & Anything appearing between these brackets is copied directly into lex:yy.c and isn't treated as a part of regular definition or translation rules.

· Regular Pepinitions - Each such definition consists of a name and a regular expression denoted by that name.

· Transition Rules - Structure of LA is such that it keeps trying to recognize tokens until action associated with one pound causes a return.

yylval is a variable whose definition appears en Lex



parser. Purpose of yylval is to hold the lexical value returned.

Parser Generators: YACC - It is yet another compiler. It can be used to facilitate construction of frontend of compiler. It makes use of shift reduce parser. Ambiguity in grammar can be rusolved by specifying the operators and their associativity either left or right.

Yace specification oy file - YACE compiler > y . tab. c

y.tas.c) C compiler) a vont

"rput -> a.out -> output

- to the parser through YACC defined variable yelval.
- * Intermediate code (teneration It uses the structure produced by syntax analyzer to create a stream of simple instructions many styles of intermediate code are possible
- * Intermediate Representations span the gap between source and target programs.
- · High Level representations closer to source language · Low Level representations - closer to target machine

Conclusion: I learnt about generation of Intermediate code using LEX and YACC for control statement.