

# Lex Program.

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MEETRA
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Aim :- Design Lex Program to Count no. of words, lines and characters of given input files.

Problem statement - Write Program using Lex specifications to implement lexical analysis phase of compiler to count no. of words, lines and characters of given input files.

Pre-requisites - Lex Basics

## Software Requirements :

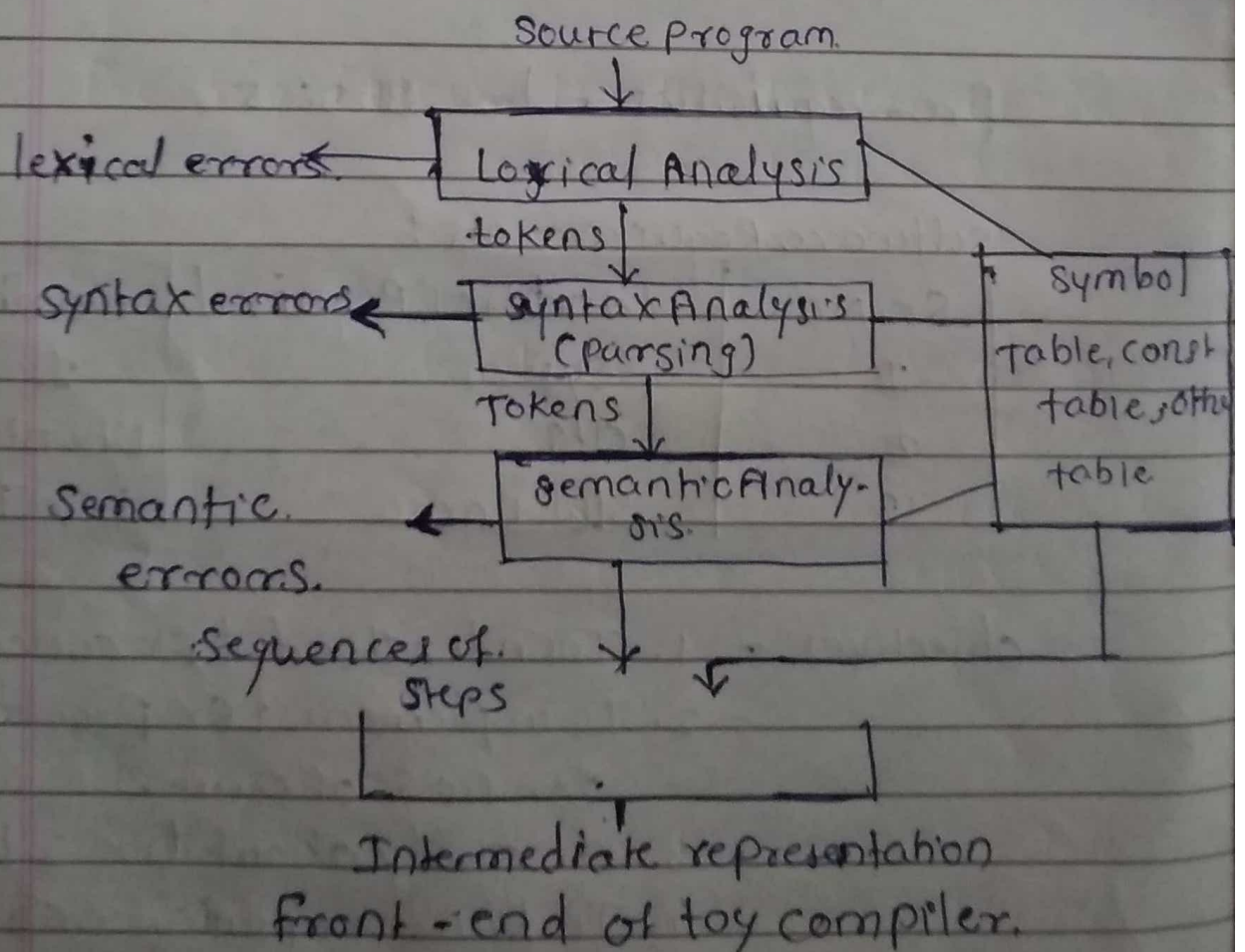
Sr. No	Facilities Required	Quality.
1	System	1
2	O/S	Ubuntu kylin
3	slw name	LEX Tool

Objectives -

1. To understand LEX concepts.
2. To implement LEX Program for no's of count.
3. To study about Lex & java.
4. To know importance about lexical Analyzer

## HOW THE INPUT IS MATCHED :-

- When the generated Scanner is run, it analyzes its input looking for strings, which match any of its patterns.
- If it finds more than one match, it takes the one matching the most text. If it finds two or more matches of same length, the rule listed first in the Flex input file is chosen.
- Once the match is determined the text corresponding to the match is made available in the global character pointer, 'yytext' and its length in the global integer, 'yyleng'.





Conclusion  $\rightarrow$  Thus, we have studied lexical analyzer and implemented an application for lexical & Analyzer to count total number of words, char and line etc.