Practical no: 6

Problem Statement: Write a program using Lex specifications to implement lexical analysis Phase of compiler to count no. of words, lines and characters of given Input file.

Name: Aditi Dinesh Mulay

Class: T.E. Computer

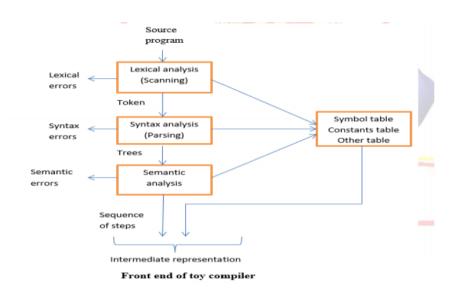
Subject: SPOS

Div: A

Roll no: 02

PRN No. 71918146B

	SPO3 Assignment B-3 Assignment B-3 Roll no: 02
7.50	Aim: Design lex program to count no of words, lines, and characters of given input file.
1	Problem statement: write a program wing lex specifications to implement lexical analysis Phase of compiler to count no. of words, lines and characters of given Thout file.
O	Software Requirements: 0/3 - Ubuntu Kylin Slw name-LEX Tool (flex)
	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 important about Lexical Mayzer.
0	How the INPUT is MATCHED ?
	When the generated scanner is run, it analyzes its input looking for strings, which match any of its potterns. 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 matched is determined the next corresponding to match is made available in the global character pointer, yytext", and its length in the global integer, yyleng". The action corressponding to the matched pattern is then executed, 4 then the remaining ilp is scanned for another match. If no match is



	found, then the default rule is executed: the next character in the ilp is associated matched 4 copied to
	the standard output.
- + 45	Conclusion:
	Thus, we have studied lexical analyzer simplemented as application for lexical analyzer to count total number
	of coords, chards & line etc.

```
| The Edit Section View Go Ran Terminal Hop | Semilars - View Bouldo Code (Administration Cod
```

```
| The file Section (very Co Run Terminal Rep) | sespent News bonder Code (Administration Code) (Administration
```