

()	Date_/_/
	Assignment - B3
*	Title: - Lexical analysis to count number of lines, words and characters.
*	exchem statement is write a program using LEX specifications to implement lexical analysis phase of compilex to count number of words, lines and characters of given input file.
*	Theory
in all	Regular expressions are used for pattern matching Two patterns: "" and "In" have been defined, with ECHO association. ECHO is a marko that writes code matched by the pattern.
	# define ECHO finite (yytext, gyleng, 1, gyout).
	variable yetext is a pointer to be matched strong (NULL-terminated) and yelling is the length of matched strong. Variable yeart is the output file & defaults to strout. Function yewrap is called by lex when input is exhausted. Return 1 if you are done or 0 if more processing is required.
7	Number of lines; characters and words
	int countex=0, countex3=0. word $[a-2A-2]+$ obdo "\n" { camberl+; }
, - nd ₁ ,	{word} ({word} [0-9]) * { countex2++; countex3+= yyleng}



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7	do do
	int ywap()
	le octuon 1',
	3
	Int main () &
*	yylex();
	point ("Number of characters: 4-d", counter 3);
jari	points ("Number of words: dod", (aunters); points ("Number of lines: dod", (ounters);
	2
*	working of LEX:-
9	
1)	A lexical source file is wented for the required sperification.
2)	
3	It is a C program containing recognises for regular expressions.
- H.	finally persons is you though a combilex to booking an
34	Finally, lexyy.c is run through c compiler to produce an object arout
(,)	
*	Textcases:
a , "V.,	
-	My name is Ritesh Badaan.
	Leo Messi is the best football player ever.
-	FC Baselona.
	Outfaut)
j)	No. of characters = 66.
تا	No. of moxqz 5 12.
=>	No. of lines = 3.

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	Conclusions	
	Hence, I have successfully implemented the count number of words, lines and character	lexical program to
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