Expt. No. 1 Expt. Name. Implement Token seperation for a given expression Date:
Aim: To write a lex program to implement Token Seperation for a given expression using LEX.
Algorithm: Step 1: Include the necessary header files and declare the necessary variables step 2: Define the key words and the identifiers with the constant and operator step 3: het the statement for analysis from the user step 4: check the cach and every element in the statement with the define keyword and if it matches print it as the keyword. step 5: check each and every element in the statement with the defined identifier and if it matches print the element as an identifier. step 6: Check each and every element in the statement with the defined constant then find the equivalence and point print it as constand step 7: Check each and every element in the statement with the defined operator and if it matches print the element as an identifier step 8: Display every element on the screen as seperated step 9: Exit the program

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Program File. 1			
letter / option noyywa			
# include <			
void yyen	or (char *);		
letter [A-Za	57		
Ligit [0-97	~		
operator [-+*]			
7 7.			
void			
main			
if			
dol			
printfl			
int			
float			
charl	Eprintf ("x s is a keyword In" , yy text); }		
for any sl			
×-c1			
111		6	
	& printf ("xs is a Formal specin	fier In , yytext	1120
1 0 (0 . 11	11ch 127 Soviet (18) coil	dentitier in , yy	Text / /
, 7/1		7 0 1	Text Jo
	Drim 1 () O IS C SUN IS	~	
1', 4	printf("ys is a open parenthes	377	51

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	Eprint f ("x s is on close parenthesis In", yy text); } Sprint f ("x s is a semicolon In", yy text); }
7. 1.	Eprintf ("Y. s is a double quote In", yytext); } Eprintf ("In Syntax Error! I In"); }
void yyer of frint f (std 3) int main ()	err, */. s/n', s);
yylex(); returno;	
Result: Implement LEX TOOL	Token seperation for given expression using now been executed successfully.



