Expt. No. 2 Expt. Name. Use LEX and YACC to implement parser on ambigous Date:
Aim: To write the program using LEX and YACC to implement passer on ambigous grammar.
B Algorithm: > File.1 Step 1: Start step 2: Include the necessary header files and declare the necessary variables. step 3: initialize the digits, operators, parenthesis and return the value clse print across syntax Error step 4: Call the function & return I step 5: Stop
File. y step 1: Start step 2: Include the necessary header files and declare the necessary variables step 3: Substitute the values and Calculate respectively for Addition, Subtraction, Multipolication and division and return the result. step 4: Call the main function and print the result step 5: Stop.

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Program:	A Company of the State of the S
File!	
Y. option nogywap	
7. &	
#include < stdio. h>	
#include "y.tab.h"	
void yyerror (char *s)	
extern int yylval;	
7.3	
У . %.	
[0-9] + Eyylval = a toi(yytext);	Samuel Company of the
return NUM;	
[-+*/\n] {return *yytext;}	
"C" Ereturn*yytext;}	
" { return *yy text; }	
て \tJ)	
. Eyyerror C"Syntax Error")33	
<u> </u>	
int yywrap()	
8	-
vetorn 1;	
<u> </u>	
Filey	tingen 11 heim wentighe into the product of the contract of th
7.8	
#include < stdio.h>	
extern Int yylex (void);	
extern Int yylex (void); void yyerror(char*);	
7.3	

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y. token NUM y.y. S: S expr 'm' Eprindf (*, dm', \$2); } ! expr: expr: expr: expr: expr '+' expr	Date:
1 '('expr')' { \$ \$ \$ = \$ 2;}	
7. 7.	
void yyerror (char *s)	
printf ("xsln",s);	
<u>'</u>	
int main()	
yy porse(2);	
return 0; 3	
Result:	
Use LEX and YACC to implement parser for executed successfully.	ambiguous is





