Expt. No. 3
arammar agento.
Expt. Name. Use LEX and YACC to implement parser on unambiguous Date:
Aim.
To write the program using LEX and YACC to implement
parser on unambiguous grommar.
The state of the s
٨١ ٥ - ١١
Algorithm:
file.1:
Step1: Stort
step 2: Include the necessary header files and declare the
necessary variables
step 3: initialize the digits, operators, porenthesis and return the
value else print syntax error.
step 4: Call the function and return I
step 5: Stop
File.y
step 1: start
step 2: Include the necessary header files and declare the necessary
variables.
variables.
step 3: Substitute the values and calculate respectively for Addition, Subtraction, Multiplication and division and return the
Subtraction, Multiplication and division and leturn the
result.
step 4: all the main function and print the result.
steps: stop

Page No. 9 Expt. No.\_\_ Expt. Name.\_ Date: \_\_\_ int val [26]: y. token NUM ID 7. 1. 5: S expr 'In' {x = \$2; print ("Yd In", \$2); } 1 SID = expr 'm' {val [1=2]=14)} expr: expr '+' T 3\$4=\$1+\$3:7 をまる= 年1-年3:3 Lapr '-'T 8 + 4 = +1; } IT を本本=2+\$23分 1 '+' T 3ままニアーまとング 1'-'T T: そまま=キじる 8+4= \$1 \* \$3:7 1 T '\* F 3\$\$=\$1/4333 ITY'F 8\$\$=2\*\$239 1 '\* F 3\$\$ = x/\$2,5 F: 3\$4= \$1:3 NUH \$\$4 = val [41];} IID 3 \$ \$ = \$ 23 1 '('capr')' 7.4.

Expt. No	Page No10
Expt. Name	Date :
void transfer (a) 4 . )	Dute .
void yyerror (char*s)	
printf'("x.s''s);	
7	
int main ()	
yyparse();	
return 0:	
3	
Result: Use LEX and YACC to implement parser for executed successfully.	bronambiguous b
	the state of the s