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3160 project

am here going to use a LEX and YACC program

LEX file:

%{

#include<stdio.h>

#include<stdlib.h>

#include "y.tab.h"

%}

int yywrap()

{

return 1;

}

YACC file:

%{

#include<stdio.h>

int valid=1;

%}

Here type the given question as given above

int yyerror()

{

printf("error");

valid=0;

return 0;

}

int main()

{

int n;

printf("Enter the number of expression:");

scanf("%d",&n);

int a[n];

printf("Enter the arithmetic expression:");

for(int i=0;i<n;i++)

{

a[i]=yyparse();

}

for(int i=0;i<n;i++)

{

if(valid){

printf(a[i]"\n");

}

}

}

In the main method yyparse() function is used to get the input from the user and it is stored in a array. The given expression gets compared with default the valid expression given above. If it is valid the expression then the valid variable remains same as 1 and gets printed. If it is not valid then the valid variable becomes 0. The error in the expression gets thrown by yyerror() function.