**Program 1: Use YACC to convert: Infix expression to Postfix expression.**

**Program 2 : Modify the program so as to include operators such as / , - , ^ as per their arithmetic associativity and precedence**

**p4.l**

%{

#include "y.tab.h"

extern int yylval;

%}

%%

[0-9]+ { yylval=atoi(yytext); return digit;}

[\t] ;

[\n] return 0;

. return yytext[0];

%%

int yywrap()

{

}

**p4.y**

%{

#include <ctype.h>

#include<stdio.h>

#include<stdlib.h>

%}

%token digit

%left '+' '-'

%left '\*' '/'

%right '^'

%%

S: E {printf("\n\n");}

;

E: E '+' T { printf ("+");}

|E '-' T { printf ("-");}

| T

;

T: T '\*' G { printf("\*");}

|T '/' G{ printf("/");}

| G

;

G: G'^'F { printf("^");}

|F

;

F: '(' E ')'

| digit {printf("%d", $1);}

;

%%

int main()

{

printf("Enter infix expression: ");

yyparse();

}

yyerror()

{

printf("Error");

}

}

Sample output

