%{

#include<stdio.h>

int op=0,i;

float a,b;

int digi();

%}

digit [0-9]+|([0-9]\*)"."([0-9]+)

add "+"

sub "-"

mul "\*"

div "/"

pow "^"

ln \n

%%

{digit} {digi();}

{add} {op=1;}

{sub} {op=2;}

{mul} {op=3;}

{div} {op=4;}

{pow} {op=5;}

{ln} {printf("\n The Answer :%.3f\n\n",a);}

%%

int digi()

{

if(op==0)

a=atof(yytext);

else

{

b=atof(yytext);

switch(op)

{

case 1:a=a+b;

break;

case 2:a=a-b;

break;

case 3:a=a\*b;

break;

case 4:a=a/b;

break;

case 5:for(i=a;b>1;b--)

a=a\*i;

break;

}

op=0;

}

return 0;

}

int main()

{

yylex();

}

int yywrap()

{

return 1;

}

