Name : Sahil Sunil Wadkar

Class :TY Div:A

%{

int op = 0,i; float a, b;

%}

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

add"+" sub"-" mul"\*"

div"/"

pow"^" ln\n

%%

{dig} {digi();}

{add} {op=1;}

{sub} {op=2;}

{mul} {op=3;}

{div} {op=4;}

{pow} {op=5;}

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

%%

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;

}

}

main(int argv,char\*argc[])

{

yylex();

}

yywrap()

{

return 1;

} OUTPUT:

