**PROGRAM – 4**

**AIM :** WAP to remove comments and whitespaces and add line numbers using LEX tools . Take input from source file .

**LEX PROGRAM :**

whitespace [ \t]

newline \n

%{

#include <bits/stdc++.h>

using namespace std ;

int line\_no = 1 ;

bool do\_remove = false ;

%}

%%

\"[^\"]\*\" {

cout << yytext ;

}

\/\/.\* ;

\/\\* {

do\_remove = true ;

}

\\*\/ {

do\_remove = false ;

}

{whitespace}{whitespace}+ ;

{newline}+ {

if(! do\_remove)

cout << "\n\t" << ++line\_no << "\t" ;

}

. {

if(! do\_remove)

cout << yytext ;

}

%%

int yywrap() {

return 1 ;

}

int main() {

yyin = fopen("test.cpp" , "r") ;

cout << "\t" << line\_no << "\t" ;

yylex() ;

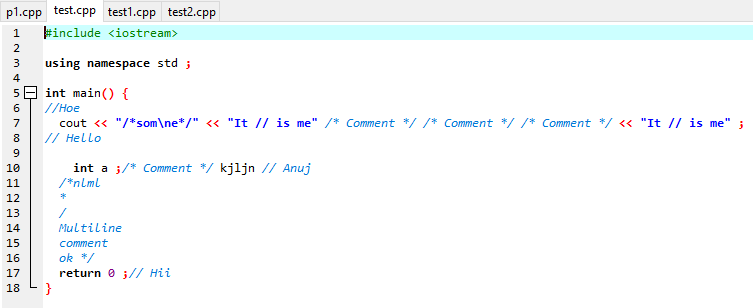
cout << "\n" ;

fclose(yyin) ;

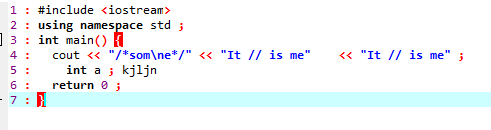
return 0 ;

}

**Input File :**

****

**Output :**

****