**CD Practical 7:**

**Implement following programs using Lex.**

**a. Write a Lex program to print out all numbers from the given file**

%{

#include<stdio.h>

%}

%%

[0-9]+ printf("\n %s is a number",yytext);

. ;

%%

int main()

{

yyin= fopen("numbers.txt","r");

yylex();

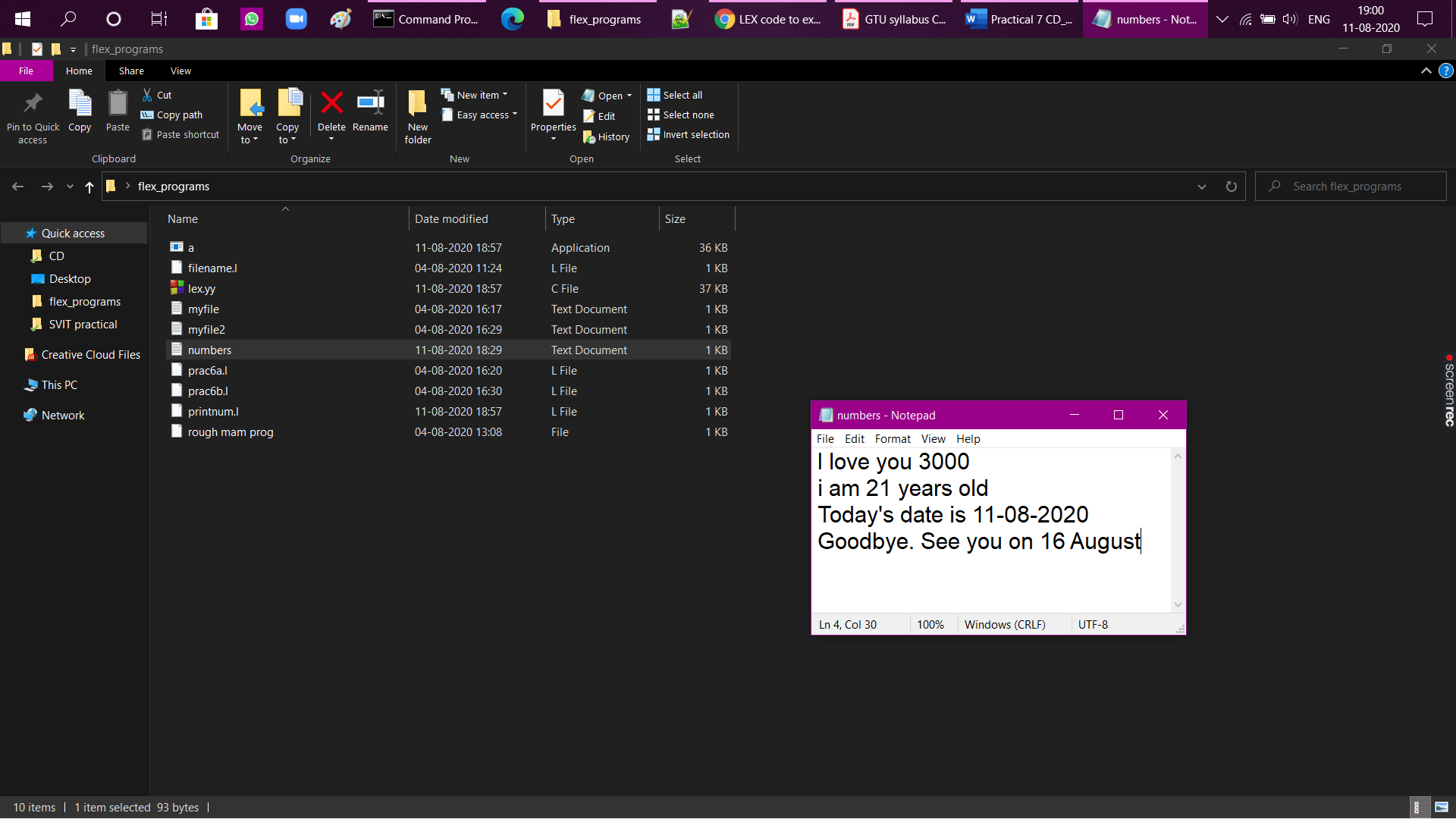
return 0;

}

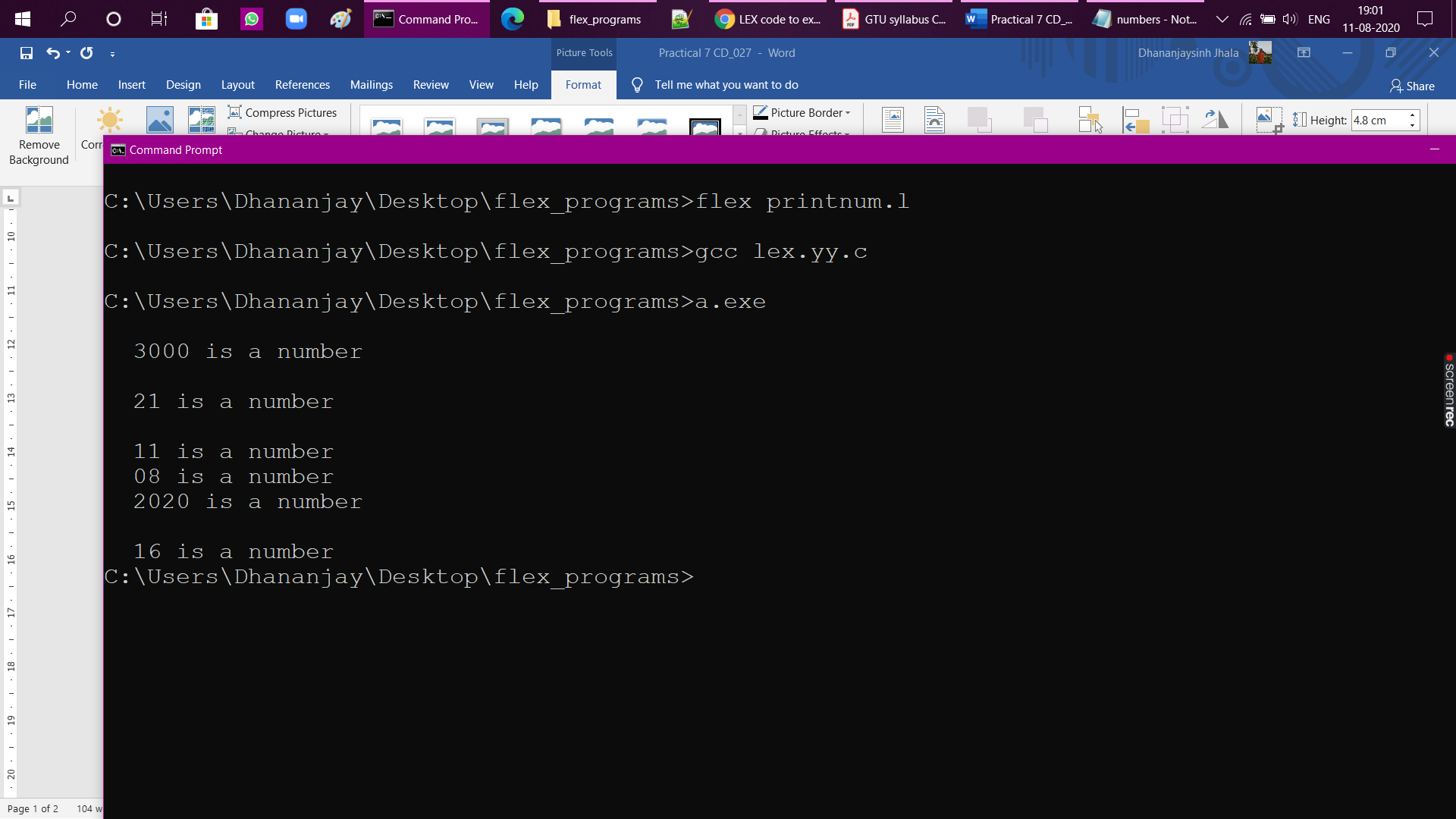
int yywrap()

{ return(1);}

**Text file:**



**Program output:**



**b. Write a Lex program to printout all HTML tags in file.**

%{

#include<stdio.h>

%}

%%

"<"[^>]\*> {printf("\n %s ", yytext); }

. ;

%%

int main(void)

{

yyin= fopen("htmltext.txt","r");

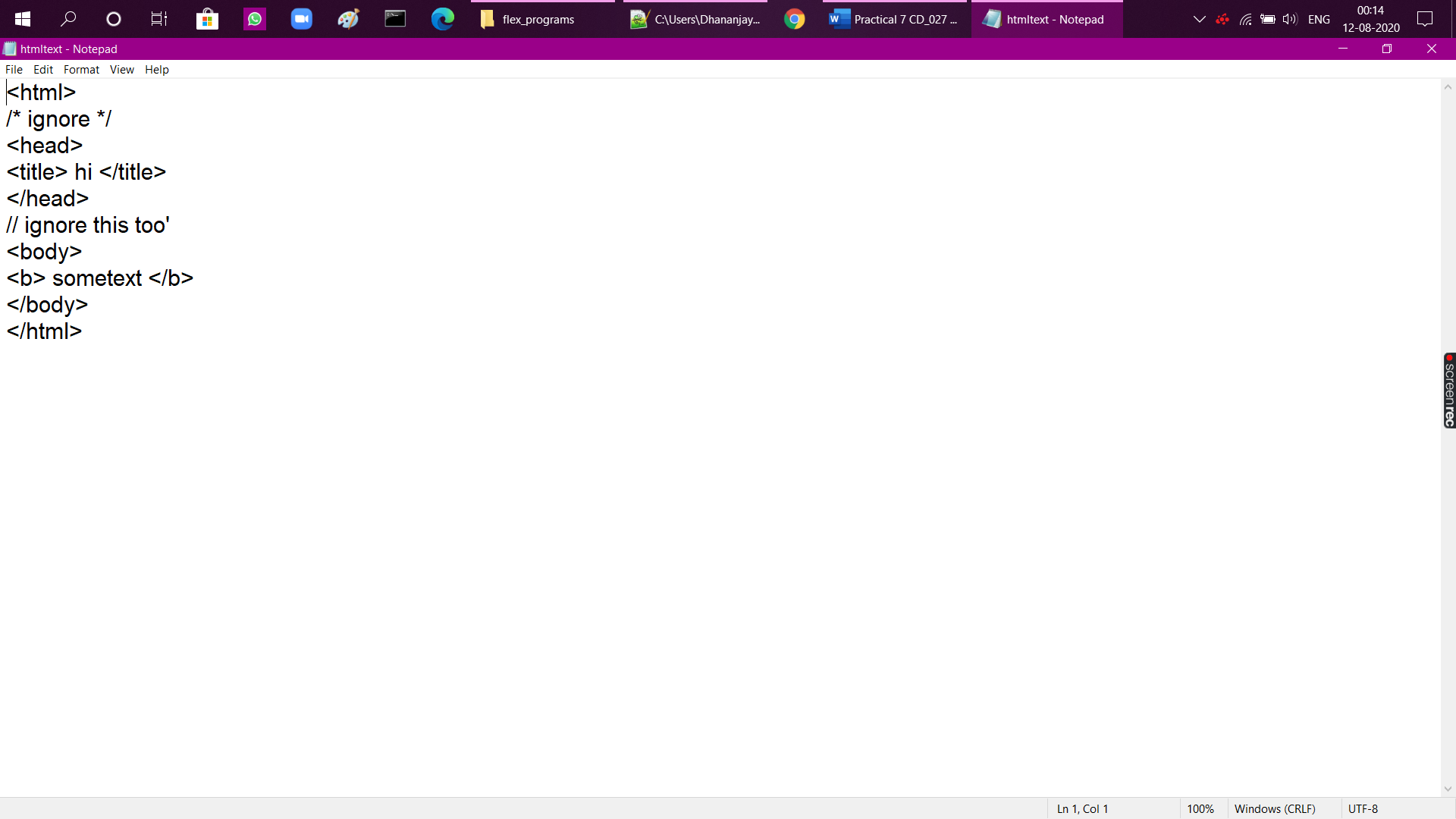
yylex();

}

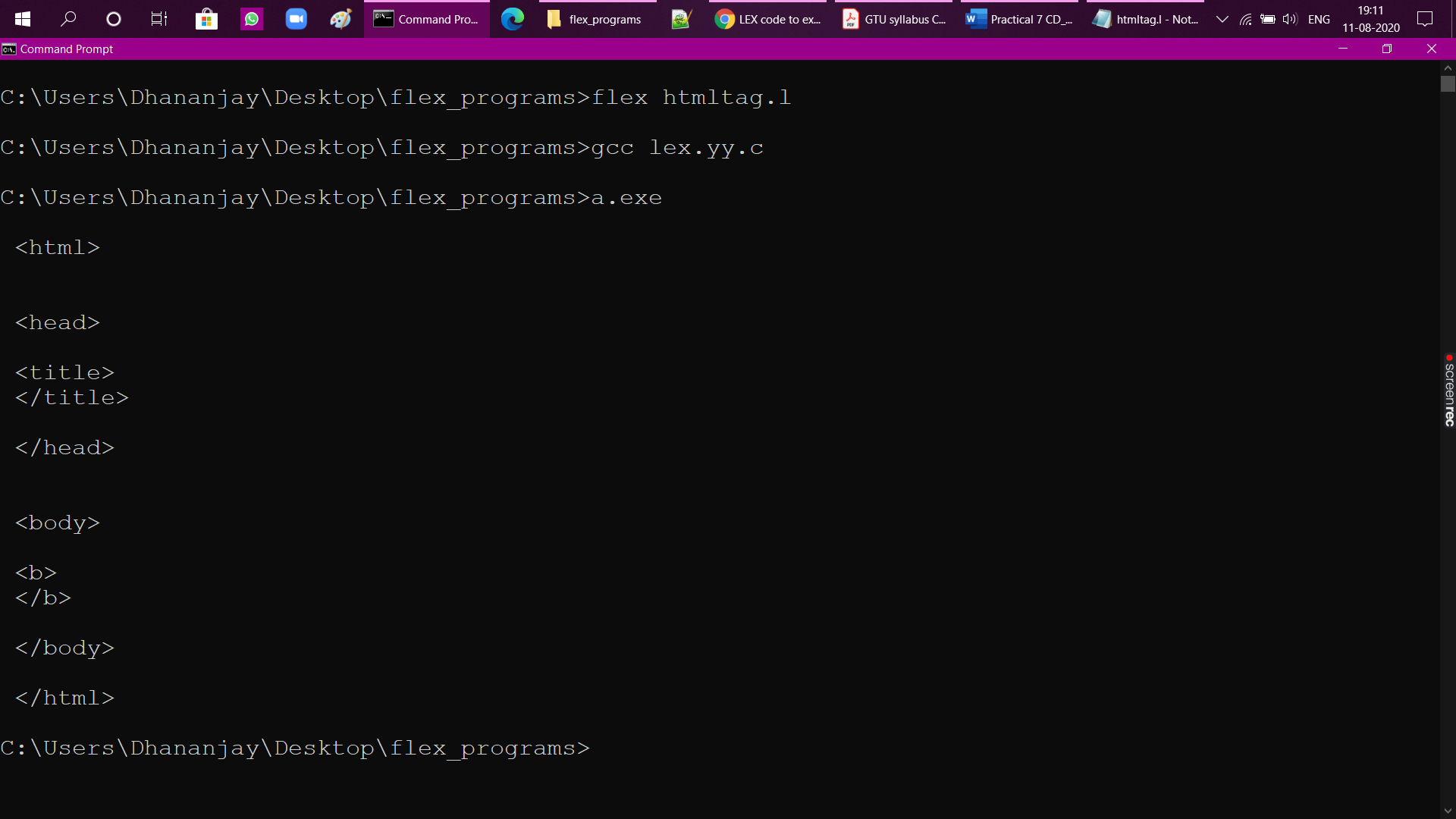
int yywrap()

{ return(1);}

**Text file:**



**Program output:**



**c. Write a Lex program which adds line numbers to the given file and display the same onto the standard output.**

%{

int line\_number = 1;

%}

%%

.\*\n { printf("%10d %s", line\_number++, yytext); }

%%

int yywrap(){}

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

{

extern FILE \*yyin;

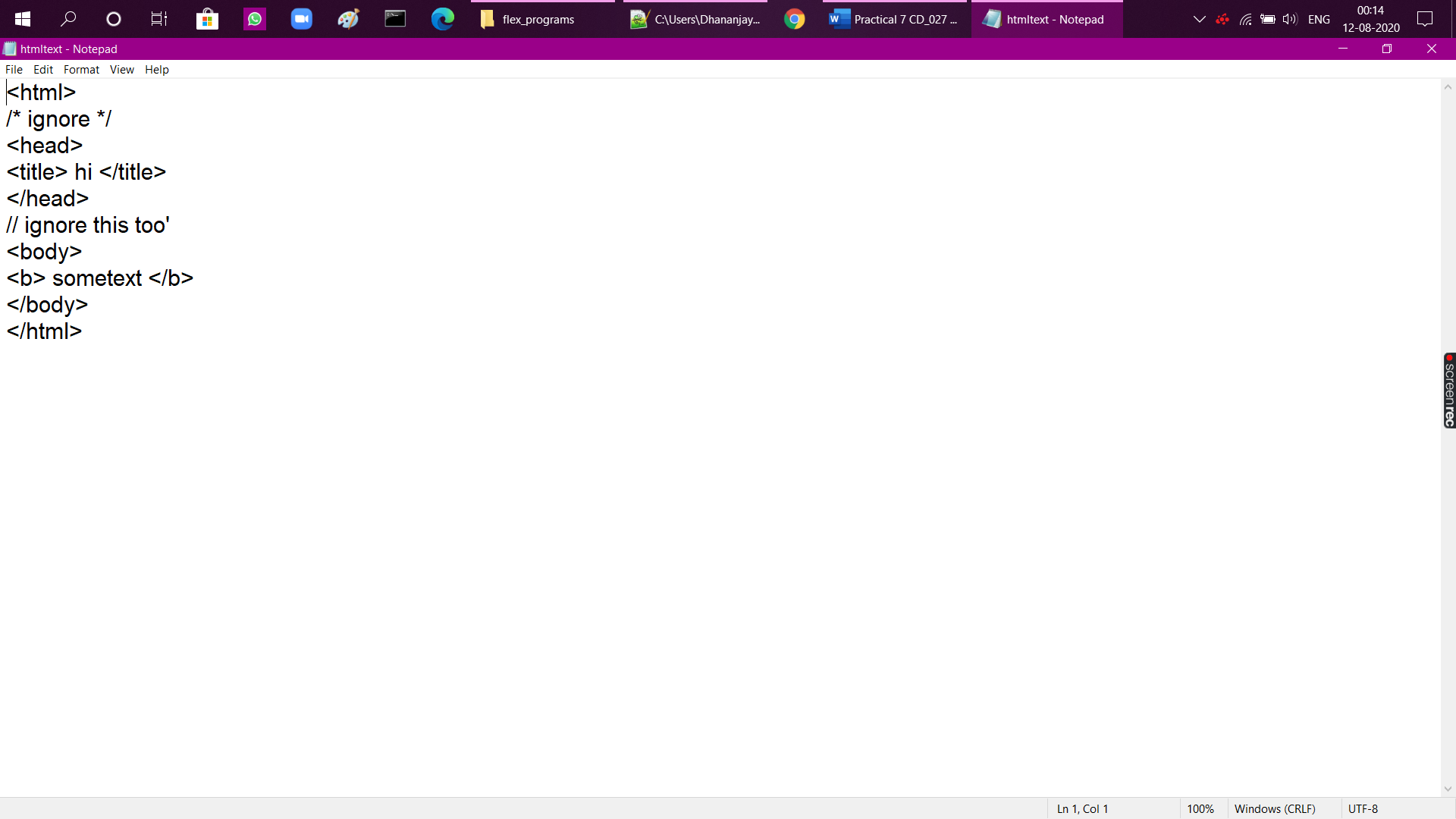
yyin = fopen("htmltext.txt","r");

yylex();

return 0;

}

**Text file:**



**Program output:**

