Question 29:

CODE:

%{

#include <stdio.h>

%}

%%

"<"[^">"]+">" { printf("HTML Tag: %s\n", yytext); } /\* Match HTML tags \*/

.|\n { /\* Ignore everything else \*/ }

%%

int main() {

yylex();

return 0;

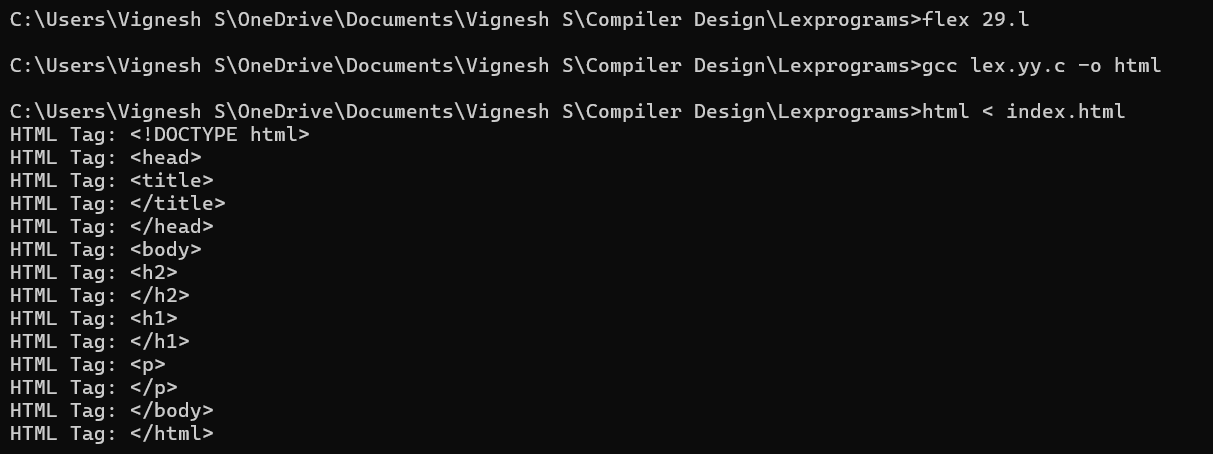
}

int yywrap() {

return 1;

}

OUTPUT:



Question 30:

CODE:

%{

#include <stdio.h>

int line\_no = 1;

%}

%%

.\* { printf("%d: %s\n", line\_no++, yytext); } /\* Add line numbers to each line \*/

%%

int main() {

yylex();

return 0;

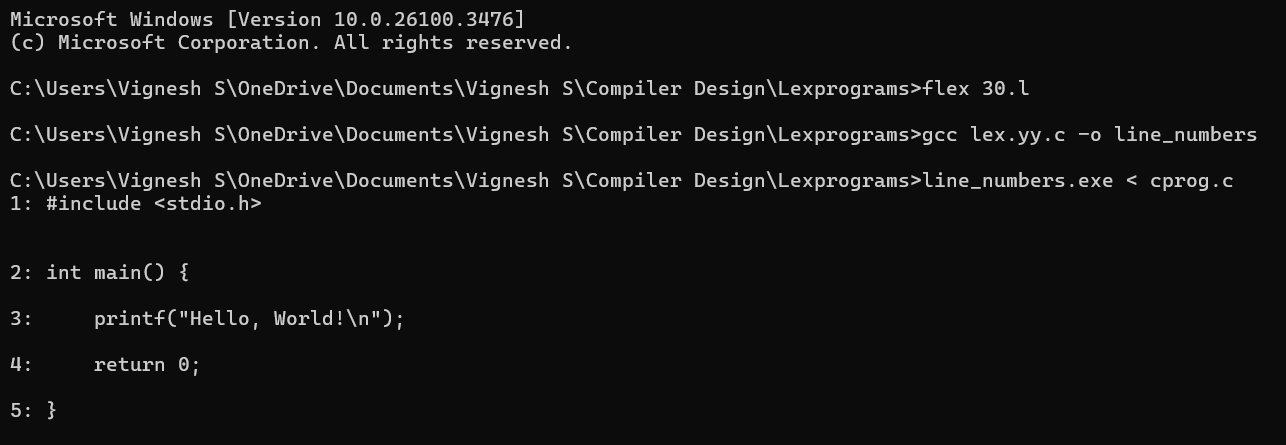
}

int yywrap() {

return 1;

}

OUTPUT:



Question 31:

CODE:

%{

#include <stdio.h>

FILE \*fout;

int comment\_count = 0;

%}

%%

"//".\* { comment\_count++; } /\* Count single-line comments \*/

"/\*"([^\*]|\\*+[^\*/])\*\\*+"/" { comment\_count++; } /\* Count multi-line comments \*/

.|\n { fputc(yytext[0], fout); } /\* Write everything else to output file \*/

%%

int main() {

fout = fopen("output.c", "w");

if (!fout) {

printf("Error opening file!\n");

return 1;

}

yylex();

fclose(fout);

printf("Number of comment lines removed: %d\n", comment\_count);

return 0;

}

int yywrap() {

return 1;

}

OUTPUT:

