1. Replacing all the occurrences of “ycce” with “YCCE” and “it” with “IT

replace\_words.l

%{

#include <stdio.h>

%}

%%

ycce { printf("YCCE"); }

it { printf("IT"); }

.|\n { ECHO; }

%%

int yywrap(void) { return 1; }

int main(void)

{

const char \*file\_path = "C:\\Users\\Public\\Documents\\sample.txt"; // 🛠 Change as needed

FILE \*fp = fopen(file\_path, "r");

if (!fp) {

perror("Cannot open file");

return 1;

}

yyin = fp;

yylex();

fclose(fp);

return 0;

}

1. Program to count

count\_words.l

%{

#include <stdio.h>

int ycce\_count = 0;

int it\_count = 0;

%}

%%

YCCE { ycce\_count++; }

IT { it\_count++; }

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

%%

int yywrap(void) { return 1; }

int main(void)

{

const char \*file\_path = "C:\\Users\\Public\\Documents\\sample.txt"; // 🛠 Change as needed

FILE \*fp = fopen(file\_path, "r");

if (!fp) {

perror("Cannot open file");

return 1;

}

yyin = fp;

yylex();

fclose(fp);

printf("Occurrences:\n");

printf("YCCE: %d\n", ycce\_count);

printf("IT : %d\n", it\_count);

return 0;

}

Combine program

replace\_count.l

%{

#include <stdio.h>

#include <string.h>

int ycce\_count = 0;

int it\_count = 0;

%}

%%

ycce { ECHO; printf("\b\b\b\bYCCE"); ycce\_count++; } // Replace and count "ycce"

it { ECHO; printf("\b\bIT"); it\_count++; } // Replace and count "it"

.|\n { ECHO; } // Print all other characters

%%

int yywrap(void) { return 1; }

int main(void)

{

const char \*file\_path = "C:\\Users\\Public\\Documents\\sample.txt"; // 🛠 Change as needed

FILE \*fp = fopen(file\_path, "r");

if (!fp) {

perror("Cannot open file");

return 1;

}

yyin = fp;

yylex();

fclose(fp);

printf("\n\nOccurrences:\n");

printf("YCCE: %d\n", ycce\_count);

printf("IT : %d\n", it\_count);

return 0;

}