Compiler Design Assignment No 3

Name: Sarthak Sanjay Pithe

PRN: 12210166

Roll No: 09

Division: D

1. To select only lines that begin or end with the letter ‘a’ and delete everything else.

i) Code:

%{

#include <stdio.h>

#include <string.h>

%}

%%

[a].\*[a]\n { printf("%s", yytext); }

\n { }

.\* { }

%%

int main()

{

yylex();

return 0;

}

int yywrap()

{

return 1;

}

ii) Output

For input file:

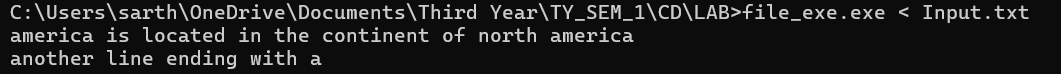
america is located in the continent of north america

all indians are my brothers and sisters

another line ending with a

apple is delicious

Result:



1. Convert all uppercase characters to lowercase except inside comments.

i) Code:

%{

#include <stdio.h>

#include <string.h>

%}

%%

[a].\*[a]\n { printf("%s", yytext); }

\n { }

.\* { }

%%

int main()

{

yylex();

return 0;

}

int yywrap()

{

return 1;

}

Output:

For input file:

this is a lower case line

THIS IS AN UPPER CASE LINE

// ignoring comments

Result:

