Lab Report 3

Problem : Write a program to remove comment from a c file.

Algorithm : Step 1 : Start

Step 2 : Declare file for input and output

Step 3 : Read input file Read output file

Step 4: if input file is empty Display error massage

Step 5 : Repeat until end of file

5.1 : if character = / and character [position + 1] = \* Skip until character = \* and character [position + 1] = / Else Print

5.2: if character = / and character [position + 1] = / Skip until new line Else Print

Step 6 : Stop

Code : //remove comment

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

#define max 1000

int main()

{

FILE \*f\_in, \*f\_out;

char c, ch[max];

int i = 0, l, x = 0;

f\_in = fopen("remove.txt", "r");

f\_out = fopen("routput.txt", "w");

if(f\_in == NULL)

{

printf("There is an error to open your file !!!\n");

}

while((c = getc(f\_in)) != EOF)

{

ch[i++] = c;

}

l = i;

for(i = x; i < l; i++)

{

if(ch[i] == '/' && ch[i+1] == '\*')

{

while(i)

{

if(ch[i] == '\*' && ch[i+1] == '/')

{

break;

}

i++;

}

}

if(ch[i] == '/' && ch[i+1] == '/')

{

while(ch[i] != '\n')

{

i++;

}

}

if(ch[i] != '/' && ch[i] != '\*')

{

fputc(ch[i], f\_out);

}

}

return 0;

}

