Lab Report 2

Problem : Input a text file, remove space and line feed from the text and output a new text 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 space or tab or new line

5.1.1 if character (position +1) is not space or tab or new line Print word with number Else Pass the character in output file

Step 6 : Stop

Code : //separate word

#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 = 1;

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

f\_out = fopen("soutput.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;

fprintf(f\_out, "Word %d : ", x);

for(i = 0; i < l; i++)

{

if(ch[i] == ' ' || ch[i] == '\t' || ch[i] == '\n')

{

if(ch[i+1] != ' ' && ch[i+1] != '\t' && ch[i+1] != '\n')

{

fprintf(f\_out, "\n");

fprintf(f\_out, "Word %d : ", ++x);

}

}

else{

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

}

}

}

