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**TUGAS OTS WEEK 4**

* **SOURCE CODE**

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

#define MAX\_LENGTH 2024

#define MIN\_LENGTH 1945

void lessThanRequired(int \*lengthOfText){

    printf("The length of your text is less than specified, please update your text\n");

    printf("Length Before : %d\n", \*lengthOfText);

    \*lengthOfText = MIN\_LENGTH;

    printf("The Lenght is updated to %d\n", \*lengthOfText);

}

void equalThanRequired(int \*lengthOfText){

    printf("Thank you, Your text length is correct\n");

}

void moreThanRequired(int \*lengthOfText){

    printf("Your text is to long, please reduce the text\n");

    printf("Length Before : %d\n", \*lengthOfText);

    \*lengthOfText = MIN\_LENGTH;

    printf("The Lenght is updated to %d\n", \*lengthOfText);

}

int checkLenghtRequirement(char\* text, int \*lengthOfText){

    int length = strlen(text);

    if (length < MIN\_LENGTH)

        return 0;

    else if (length == MIN\_LENGTH)

        return 1;

    else

        return 2;

}

int main() {

    int lengthOfText, selectOption;

    FILE \*fptr = NULL;

    char text[MAX\_LENGTH];

    fptr = fopen("tolong.txt", "r");

    if(fptr == NULL){

        printf("Error");

        exit(1);

    }

    fgets(text, MAX\_LENGTH, fptr);

    fclose(fptr);

    selectOption = checkLenghtRequirement(text, &lengthOfText);

    if(selectOption == 0)

        lessThanRequired(&lengthOfText);

    else if(selectOption == 1)

        equalThanRequired(&lengthOfText);

    else

        moreThanRequired(&lengthOfText);

    return 0;

}