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Tugas Pointer

1. 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");
    *lengthOfText = MIN_LENGTH;
}

void equalThanRequired (){
    printf("Thank you, Your text length is correct\n");
}

void moreThanRequired (int* lengthOfText){
    printf("Your text is too long, please reduce the text\n");
    *lengthOfText = MIN_LENGTH;
}

int checkLenghtRequirement(char* text){
    int length = strlen(text);

    if (length < MIN_LENGTH)
        return 0;
    else if (length == MIN_LENGTH)
        return 1;
    else
        return 2;
}

int main() {
    int lenght, lengthOfText, selectOption;
    FILE *fptr = NULL;
    char text[MAX_LENGTH];
```

```

fptr = fopen("file.txt", "r");

if(fptr == NULL){
    printf("Error");
    exit(1);
}

fgets(text, MAX_LENGTH, fptr);

fclose(fptr);

selectOption = checkLenghtRequirement(text);

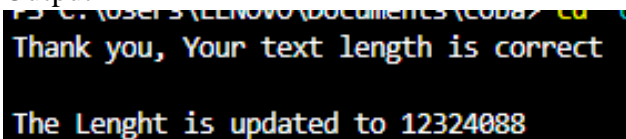
void (*cekKata[3])(int *) = {lessThanRequired, equalThanRequired,
moreThanRequired};
cekKata[selectOption](&lengthOfText);

printf("\nThe Lenght is updated to %d", lengthOfText);

return 0;
}

```

2. Output



```

PS C:\Users\LENOVO\Documents\coba> cd .
Thank you, Your text length is correct
The Lenght is updated to 12324088

```

3. Penjelasan

Program ini membaca teks dari sebuah file, memeriksa panjangnya, dan memberi respons sesuai dengan panjang teks tersebut. Jika panjangnya kurang dari yang ditentukan, program meminta untuk memperbarui teks. Jika panjangnya tepat sesuai yang ditentukan, program memberi ucapan terima kasih. Jika panjangnya terlalu panjang, program meminta untuk memperpendek teks.