INF211
ALGORITHMS AND PROGRAMMING
PROJECT-11

PROJECT-11: INPUT/OUTPUT

Deadline is December 30, 2020 at 23:00.
Projects that are not delivered on time are not accepted.
Upload the project to the Project 11 assignment section of the INF211 class.

The questions can be asked to course lecturer Dr. Tuba Gözel and teaching assistant Serdar AKBIYIK under the Project 11 announcement of INF211 class.

The questions should be answered in this document. This document and the C code files for the questions should be uploaded to the assignment section. Please upload your .txt files after run the code.

Edition: 25.12.2020

The code filenames should be formatted as ID_N_P11_Q#.

Questions:

1-) Write a code to do following operations

a-print the contents of file

write a function to print the contents of a given file on screen. Your function prototype should be in given format.

```
void PrintFileContent(FILE* fptr)
```

b-copy contents of one file to another file

write a function to copy contents of one file to another file. Convert all characters into uppercase while copying the content. You are allowed to use toupper() function in ctype library. Your function prototype should be in given format.

```
void copy_file(FILE* fptr1,FILE* fptr2)
```

c- count the Number of Characters in a File

write a function to count the Number of Characters in a File. Your function prototype should be in given format.

```
int findNumberofChar(FILE* fptr)
```
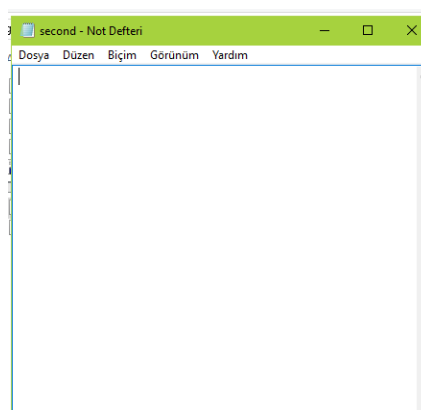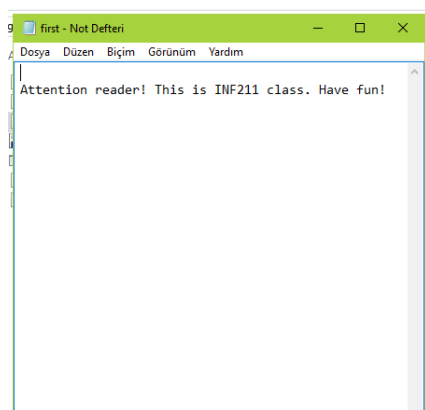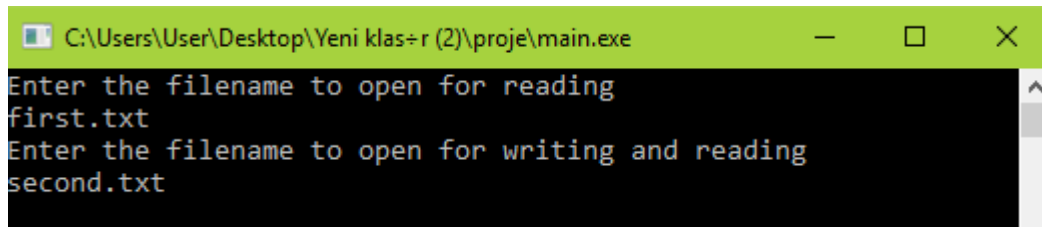
Please design your main.c file as follow

1- Open a text file to read in your directory.
2- Create an empty text file for writing and reading in same directory.
3- Check if both files are opened.
4- Print the contents of first file by calling PrintFileContent function.
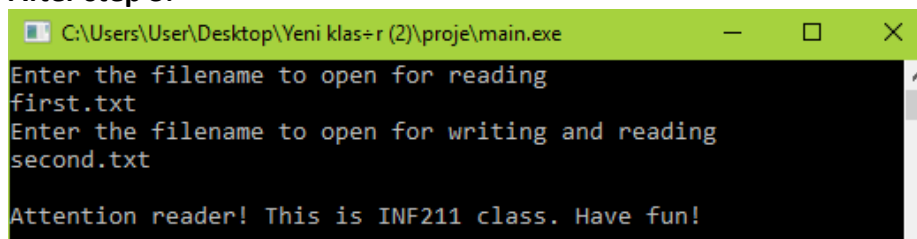5- Call copy_file function to copy contents of first file to empty file.

6- **Call findNumberofChar function to count the Number of Characters in the second file.**
7- **Write the number of characters in the second file into the same file.**
8- **Print the contents of second file by calling PrintFileContent function.**
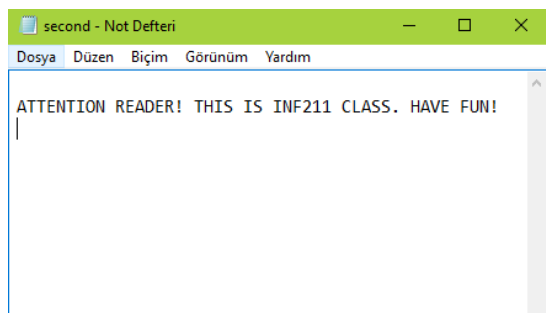
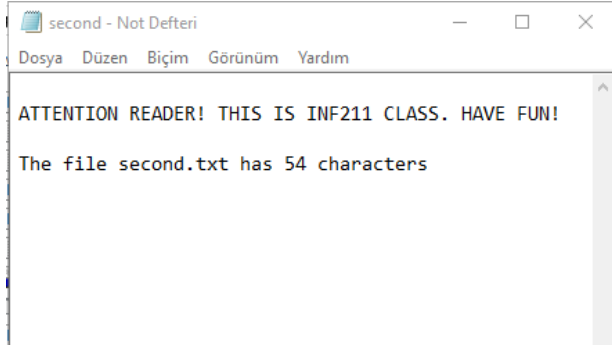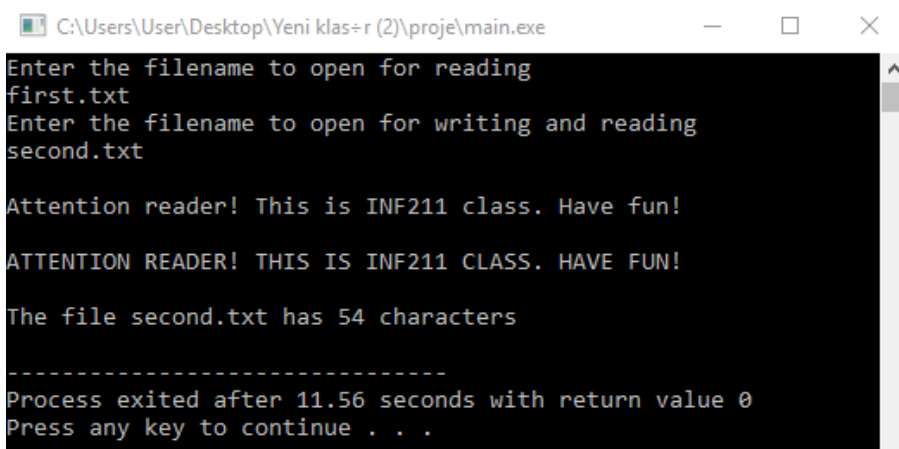**Your output should look like this:**

After step 3:

After step 3:

After step 5:

After step 7:

After step 8:

ABOUT THE PROJECT

This project file is prepared for the INF211 Algorithms and Programming I given at Electronic Engineering Department of Gebze Technical University.

Process	Prepared By
First Edition: 25.12.2020	Serdar AKBIYIK

Edition: 25.12.2020