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#include <stdio.h>
#include <string.h>
#include <stdlib.h>

int fileBefore(const char* filename){
    char ch;
    FILE *fh_input;

    fh_input = fopen(filename,"r");

    if(fh_input == NULL){
        printf("File Not Opened");
        return -1;
    }

    while ((ch = fgetc(fh_input)) != EOF){
        printf("%c", ch);
    }
    fclose(fh_input);
    return 1;
}

int fileAfter(const char* filename){
    char ch;
    FILE *fh_input;

    fh_input = fopen(filename,"r");

    if(fh_input == NULL){
        printf("File Not Opened");
        return -1;
    }

    while ((ch = fgetc(fh_input)) != EOF){
        printf("%c", ch);
    }

    fclose(fh_input);
    return 1;
}

int fileConcatenate(const char* file1, const char*file2){
    //char BUFFER[100];
    char ch;

    FILE *fh_input1 = fopen(file1, "a");
    FILE *fh_input2 = fopen(file2, "r");

    while ((ch = fgetc(fh_input2)) != EOF){
        fputc(ch, fh_input1);
    }

    fclose(fh_input1);
    fclose(fh_input2);
    return 0;
}

int main(int argc, char* argv[]){

    if(strcmp(argv[1], argv[2]) == 0){
        printf("These files have the same name");
        return -1;
    }

    // char file1[30];
    // char file2[30];
```

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printf("File Name of First file: ");
printf("%s\n",argv[1]);
fileBefore(argv[1]);
printf("\n");

printf("\n");
printf("File Name of Second file: ");
printf("%s\n",argv[2]);
fileBefore(argv[2]);
printf("\n");

printf("Files Entered: %s\n", argv[1]);
printf("Files Entered: %s\n", argv[2]);

fileConcatenate(argv[1],argv[2]);
printf("\n");
printf("First file Entered after Concat:\n");
fileAfter(argv[1]);
printf("\n");

printf("\n");
printf("Second file Entered after Concat:\n");
fileAfter(argv[2]);
printf("\n");

return 0;
}
// gcc -o jlplayerlab4 jlplayerlab4.c
// ./jlplayerlab4 file1.txt file2.txt
```