

//171805024 Nagihan Baz

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#include <stdio.h>
#pragma warning(disable:4996)

struct Student {
    char name[10];

    int number;
    int age;
};

struct Student;
void record(void);
void search(void);
void sort(void);

int main() {
    int system();
    int student();
    do {
        system("cls");
        printf("1-Record student.\n2-Search student (using its ID number).\n3-Sort\nthe records of students according to their ID numbers in an ascending order.\n4-Show the\ninformation of all students.\n5-Exit the program.");
        switch (getch()) {
            case 1: {
                system("cls");
                record student();
                break;
            }
            case 2: {
                system("cls");
                search student();
                break;
            }
            case 3: {
                system("cls");
                sort the record of students();
                break;
            }
            case 4: {
                system("cls");
                show the information of all students();
                break;
            }
            case 5: {
                system("cls");
                exit the program();
                return 0;
                break;
            }
            default: {
                printf("Incorrect entry.");
            }
        }
    }
}
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    }
} while (1);
getch();
return 0;
}

void record(void) {
    int i = 0;
    file = fopen("class.txt", "a+");
    if (file == NULL) {
        puts("File could not be opened.");
        exit(1);
    }
    while (!feof(file)) {
        fflush(stdout);
        fscanf(file, "%s %d %d\n", student.name, &student.number, &student.age);
        if (student.name != NULL) {
            printf("\n%s %d %d", student.name, student.number, student.age);
        }
    }
    fclose(file);
    puts("\nThe information has been saved, press a button to continue.");
    getch();
}

void search(void) {
    int number;
    int student.number = 0;
    fflush(stdin);
    printf("\nStudent name: ");
    gets(name);
    file = fopen("class.txt", "r");
    if (file == NULL) {
        puts("File could not be opened.");
        exit(1);
    }
    while (!feof(file)) {
        fscanf(file, "%s %d %d\n", student.name, &student.number, &student.age);
        if (strcmp(student.name, name) == 0) {
            printf("%s %d %d\n\nPress a key to coontinue.", student.name,
student.number, student.age);
            student.number = 1;
        }
    }
    fclose(file);
    if (student.number == 0) {
        puts("Record not found press a key to continue.");
    }
    getch();
}

void sort(void) {
    file = fopen("class.txt", "r");
    if (file == NULL) {
        puts("File could not be opened.");
        exit(1);
    }
    while (!feof(file)) {

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        fflush(stdout);
        fscanf(file, "%s %d %d\n", student.name, &student.number, &student.age);
        if (student.name != NULL) {
            printf("\n%s %d %d", student.name, student.number, student.age);
        }
    }
    fclose(file);
    puts("\nInformation is listed press a key to continue.");
    getch();
}

if else;
return 0;

}

}
```