EECS 2032

Lab 8
Fall 2020

In this lab, you will learn how to deal with structs and files

Problem 1

A file consists of a bunch of records, each record consists of three fields.
ID   an integer
Grade   a character
Name   a string of up to 20 characters that includes one space and is on the form (fname, lname)
A bunch of these records are written by a program that is given in this lab as write.c
That program writes only one record, but the file contains many records similar to the one written in write.c
Carefully read and understand write.c

No submission

Problem 2

Write a C program that accepts inputs as command line arguments in the form
a.out -s parameter
Depending on the flag, if **s** equal

count   Your program counts and displays the number fo records in the file dat.txt. The number is displayed as integer in the default integer format followed by a new line character, no parameter is needed here

grade   a letter grade (A, B, C, D, or F), in this case your program outputs students' ID and names (separated by a tab, and ended with a new line character). The information should be displayed under the header
St. ID   Name
The header is displayed only once before you display any data and the two values are separated by a tab. **If** there are no students with that grade, display
No students with the grade of **grade** followed by a new line. **Grade** is the grade entered as a command line argument.

name   is the student first name (the records contains student first name followed by last name). If and student has that first name, display all students with that first name as

ID	fname lname	grade.

Note that there is a tab between ID and first name, and between last name and grade. There is one space between first and last names. The line is ended with a new line character

If there are no students with that first name, display

NO such student followed by a new line character.

Submit **Lab8.c to LAB8**