

C291 – System Programming in C and UNIX

Bonus Assignment

Task:

Write a C program to read contents from file, store the students record in struct and display the struct values to the user.

Sample Output:

Enter students record file name

test.txt

Enter number of records to be displayed

2

1 student1 100 90 90 280

2 student2 100 90 90 280

NOTE: You are required to code only in open terminal. You should not use any IDE.

Bonus Points:

If you have split this program into multiple files, for example structs definition in “students.h” , define file related operations in “studentsRecord.c” and “client.c” to get user input you will get bonus points. The maximum bonus point 30 pts.

Due Date:

The submission is due on Monday 10/12/2015 11:59 PM

What to turn in:

Upload .c and .h file in canvas. We'll grade whatever version you've put there at 11:59PM on the due date.

Academic Integrity:

You may discuss the assignment with other people at a high level, e.g. discussing general strategies to solve the problem. You may also consult printed and/or online references, including books, tutorials, etc., but you must cite these materials in report. However, if you are submitting the code, then it must be your own work, which you personally designed and wrote. You may not share written code with any other students, nor may you possess code written by another student either in whole or in part, regardless of format. The professor and AI's are always available to help, so reach out through canvas if you need one!

Rubric:

- You will get 50% of total marks on successful compilation of program without any errors
- You will get 70% of total marks on successful execution of program
- You will get 90% of total marks on passing all test cases
- You will get 100% of total marks based on your code clarity
- The following falls under clean code
 - Proper names for variables.
 - Follow camel case patterns.
 - Comment where ever needed
 - Check for valid inputs & valid range
 - Output unambiguous & user friendly messages