EXTERNAL FILES AND ARRAY OF STRUCTURES

This assignment extends the previous lab project.

Write a modular program to keep records and perform a statistical analysis for a class of students. For each student, we need a ***name*** of up to 26 characters, an ***ID*** for four digits, and ***four exams***. The student data will be stored in an array of student structures. Provide for up to 50 students.

The input is read from the text file **student_data_4.txt**. Each line in the file contains a student's name (last name,first name), student's ID, and four exam scores in order. If an exam was not taken, the score is zero. The student's name and ID and the exam scores are all separated from each other by at least one space. A "newline" ends the data for one student. Therefore, the number of lines in this file is the same as the number of students.

The output consists of a listing of the students sorted by name (ascending order) and is to be stored in an external file named **student_data.out**. Print each student on a separate line with an appropriate caption for each column. The last column should list the exam average for each student assuming a 25% weight for each exam. After the last student, print the highest, lowest, and average score for each exam. In determining the lowest score, do not consider zero scores.