

SE185: Problem Solving in Software Engineering

Quiz # 9 (100 points)

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Answer the following questions and make a pdf file that includes the **source code, sample inputs, and outputs**. You must submit the **pdf file and all of the .c files** on Canvas for full credit. Do not forget to add your group partner name on the pdf file and the source codes.

1. (100 points) Write a complete c program that ask users to enter four students name and their exam score for midterm 1, midterm 2, and final. Then your program:

- First, store this information in a text file name “student_data” and print the information’s.
- Then, you program will read the information from the file that your program just created, and calculate the average of the three exams for each student.
- Finally, your program will print exam average for each student.

Note: Your program will create a text file, so you must include the source code (.c file), and the text file along with your submission.

Inputs and outputs format:

```
$ gcc quiz9.c -o test

AdamJ@Laptop-Of-Gods /cygdrive/d/quiz09
$ ./test
Enter student1 name and three exam score: Sam 87 95 78.6
Enter student2 name and three exam score: Sara 83.5 88 93.8
Enter student3 name and three exam score: Alex 78.2 82 87
Enter student4 name and three exam score: Robert 65 74.2 77
Sam exam scores = 87.00, 95.00, 78.60
Sara exam scores = 83.50, 88.00, 93.80
Alex exam scores = 78.20, 82.00, 87.00
Robert exam scores = 65.00, 74.20, 77.00
Sam exam average = 86.87
Sara exam average = 88.43
Alex exam average = 82.40
Robert exam average = 72.07

AdamJ@Laptop-Of-Gods /cygdrive/d/quiz09
$ |
```