Sample Source Code:

```c
1    #include <stdio.h>
2
3    typedef struct student{
4        char studentName[50];
5        double exam1;
6        double exam2;
7        double exam3;
8    } student;
9
10   double avg(double num1, double num2, double num3);
11
12   int main(){
13       FILE* inFile = NULL;
14       inFile = fopen("student_data.txt","w");
15       student s1,s2,s3,s4;
16       //student values when scanned
17       student fileStudents[4];
18       printf("Enter student1 name and three exam score: ");
19       scanf("%s %lf %lf %lf",s1.studentName,&s1.exam1,&s1.exam2,&s1.exam3);
20       printf("Enter student2 name and three exam score: ");
21       scanf("%s %lf %lf %lf",s2.studentName,&s2.exam1,&s2.exam2,&s2.exam3);
22       printf("Enter student3 name and three exam score: ");
23       scanf("%s %lf %lf %lf",s3.studentName,&s3.exam1,&s3.exam2,&s3.exam3);
24       printf("Enter student4 name and three exam score: ");
25       scanf("%s %lf %lf %lf",s4.studentName,&s4.exam1,&s4.exam2,&s4.exam3);
26
27       fprintf(inFile,"%s %lf %lf %lf\n",s1.studentName,s1.exam1,s1.exam2,s1.exam3);
28       fprintf(inFile,"%s %lf %lf %lf\n",s2.studentName,s2.exam1,s2.exam2,s2.exam3);
29       fprintf(inFile,"%s %lf %lf %lf\n",s3.studentName,s3.exam1,s3.exam2,s3.exam3);
30       fprintf(inFile,"%s %lf %lf %lf\n",s4.studentName,s4.exam1,s4.exam2,s4.exam3);
31       fclose(inFile);
32       inFile = fopen("file.txt","r");
33
34       for(int i = 0;i < 4;i++){
35
36           fscanf(inFile," %s %lf %lf %lf",fileStudents[i].studentName,&fileStudents[i].exam1,
37           &fileStudents[i].exam2,&fileStudents[i].exam3);
38           printf("%s exam scores = %.2lf, %.2lf, %.2lf\n",fileStudents[i].studentName,fileStudents[i].exam1,
39           fileStudents[i].exam2,fileStudents[i].exam3);
40       }
41       for(int i = 0;i < 4;i++){
42
43           printf("%s exam average = %.2lf\n",fileStudents[i].studentName,avg(fileStudents[i].exam1,
44           fileStudents[i].exam2,fileStudents[i].exam3));
45       }
46
47   return 0;
48   }
49   double avg(double num1, double num2, double num3){
50       return (num1 + num2 + num3)/3.0;
51   }
52
```

Sample Input Output:

```
zhong@JJ-Laptop /cygdrive/c/se185/jaden_burke_quiz09
$ ./q1
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
```