This assignment involves creating a Java program that simulates a simple student grading system. The program will take a set of grades for each student and calculate their average score. Based on the average score the program will then assign each student a letter grade based on the following grading scale:

* A: 90 and above
* B: 80 to 89
* C: 70 to 79
* D: 60 to 69
* F: less than 60

The program will also calculate the class average.

The program shall do the following:

* Prompt the user to enter the number of students.
* Prompt the user to enter the number of grades for each student.
* Allow the user to enter the grades for each student. Grades should be stored in a two-dimensional array.
* Display the student grades.
* Calculate and display the numerical average for each student.
* Assign and display the letter grade for each student.
* Calculate and display the overall class average.

The program shall use at least the following programmer-defined methods:

* **getLetterGrade( )**: This method should accept a student’s average score and return a letter grade according to the above grading scale.
* **getStudentAverage( )**: This method should calculate and return a student’s average.
* **displayGrades( )**: This method should display the grades for the entire class.
* **getClassAverage( )**: This method should calculate and display the average grade for the entire class.

Some guidelines and helpful hints:

* Research the **round()** method of the Math class. You might find this useful when computing letter grades.
* Do some research and learn how to pass a row of a two-dimensional array to a method.

A sample program interaction and output can be found below. Yours doesn’t have to look exactly like this, but it should be somewhat similar.

A screenshot of a computer program

AI-generated content may be incorrect.