

Arrays - Letter Grade Calculator

Write a program that reads student scores, gets the best score, and then assigns grades based on the following scale.

- A -> 90 - 100
- B -> 80 - 89
- C -> 70 - 79
- D -> 65 - 69
- F -> Below 65

The program should prompt the user to enter the total number of students, create an array of type double with a size of *numStudents*, prompt the user to enter all the scores separated by spaces, store each value in the array, and conclude by looping through the grade array displaying each grade.

Example Output

```
Enter number of students: 5
Enter 5 scores: 95 85 75 65 60
Student 0 score is 95.0 and grade is A
Student 1 score is 85.0 and grade is B
Student 2 score is 75.0 and grade is C
Student 3 score is 65.0 and grade is D
Student 4 score is 60.0 and grade is F
```

Deliverables

Make sure your code has the required file header and correctly formatted identifier names, as outlined in the CS Java Documentation Policy under Course Info on D2L.

To receive credit for this lab you must

1. Demonstrate the code and execution to the instructor during this lab, during office hours, or during the next lab period.
2. Zip the src folder in your project directory and upload the instructor approved .java files to the Lab 13 D2L drop box.