

Assignment 9

Due: July 1st (Friday) before 11 am

Students' Grade Report

Write a java program named **StudentsGradeReport.java** that works as per the following specifications.

1. Get the number of students as input from the user.
 - a. You can assume that the user enters a **valid positive integer**.
2. Prompt the user to enter the name and score for all the students. The name and the score of each student should be entered with a space in between.
 - a. You can assume that the user enters a **string for the name** and a **double value (in the range of [0, 100]) for the score**.
3. Compute the following and display as show in the sample run.
 - a. Average score
 - b. Maximum score
 - c. Student(s) with the maximum score
 - d. Grade Report
 - e. Grade Distribution

NOTE:

1. The user input is shown in **blue** in the sample run.
2. Use the grade cutoffs at our course webpage to calculate the letter grades:
<http://pages.cs.wisc.edu/~gerald/cs302/grades.html>

SAMPLE RUN:

```
Enter the number of students: 5
Enter name and score of student 1: Rob 89.50
Enter name and score of student 2: Bob 78.25
Enter name and score of student 3: Tom 98.75
Enter name and score of student 4: Job 55
Enter name and score of student 5: Ram 98.75
```

The average score = 84.05

The maximum score = 98.75

The student(s) with the maximum score:

Tom

Ram

GRADE REPORT

Rob - AB

Bob - BC

Tom - A

Job - F

Ram - A

GRADE DISTRIBUTION

of As: 2

of ABs: 1

of Bs: 0

of BCs: 1

of Cs: 0

of Ds: 0

of Fs: 1

Grading

Item	Points
Correctness of your code	14
Modularity of your code	4
Code style and commenting	2
TOTAL	20

Turning in

Upload and submit the Java file **StudentsGradeReport.java** in the folder named **Assignment9** using the **dropbox** facility at learn@uw.