

Disclosure

You will submit your file to an assignment that is given through MS Teams. Your filename should be **Q1_{yourStudentNumber}.java**. Quiz will start at 09:15 you will have an hour to code then you will be given extra 15 minute to finalize the upload process. Your code will be checked with plagiarism tools, any kind of code sharing and using the internet is forbidden.

Objective

We would like you to determine the necessary components yourself, and design according to the requirements that you detected. You may write any methods, attributes, or classes that you think would be necessary to complete the quiz. You may want to import Random and ArrayList from java.util.

Specifications

There are lecturers with varying titles (etc. RA, PhD, Postdoc, Prof). They teach courses taken by undergraduate and graduate students. While each person has name and surname information, in addition to this, lecturers also have title information. Students, on the other hand, have randomly generated student numbers. Each lecturer can be advisor to many graduate students, and graduate students can have one advisor. A lecturer may be teaching one or more courses, but a course can have only one lecturer. While there can be many students taking any course, each student can also take many courses. Students can add the courses they will take one by one, or they can add multiple courses at once. Lecturers grade the courses only if they are the one who is teaching the relevant course. The grade of a course for a student is determined by a midterm and a final exam. Whether a student passes a course or fails is decided by a success score calculated by taking the average of the exams.

Scenario

According to above specifications, simulate the scenario given below.

Research Assistant(RA) Berkecan Ercükler, who has not been paid for a while, gets angry at this situation and decides to randomly score the midterm and final scores of all his students who take the Television Programming course. Graduate students who are aware of this situation persuades Berkecan to add 15 points more to all graduate students while grading.