



Java Advanced Course

Challenge 34. Data aggregation

Terminal operations

Create a new class a main method that does the following:

- Copy the two courses, jac and pbc passing an additional argument for the lecture count. 50 for pbc and 100 for jac.
- Add a third course, titled "Creating Games in Java". You don't have to pass a lecture count for this one.
- Use Stream.generate or Stream.iterate to generate 5000 random students and create a list of these.
- Use the getPercentComplete method, to calculate the average percentage completed for all students for just the Java Advanced Class, using the reduce terminal operation.

Terminal operations

- Use this result, multiplying it by 1.25, to collect a group of students (either as a list, or a set). These would be the students who've completed more than three quarters of that average percentage.
- Sort by the longest enrolled students who are still active, because you're going to offer your new course to 10 of these students, for a trial run.
- Add the new course to these ten students.

Make one change to the Student's getRandomStudent method, using a minimum lecture of 30.