Enhance the previous assignment with the following features:

Student:

* a student can attend multiple courses at once
* if a student enrolls for a course, a grade for that course will be assigned to that student; at first, the grade will be set to **null** with the possibility to be changed later (e.g: student joins “english” course, **englishGrade** property will be added for that specific student; student joins “history” course, **historyGrade** property will be added for that specific student)
* the grade can only be set as a floating value between 1-10; if other value is set for the grade, the operation will fail
* a student can drop from a course, which will result in deleting the student from that course and also deleting the student’s course grade

Course:

* you should have the possibility to calculate the average grade for the students enrolled at a course and print the result in the console (e.g: for **history** course, we have 2 students: Rob with **historyGrade = 5** and Sansa with **historyGrade = 7**; the average grade obtained for history course will be 6)
* if **courseGrade** is not set yet (**null**), then that student won’t be taken in consideration when calculating average course grade
* if a student is being added to a course, the grade calculation should be triggered automatically; same trigger applies for a student dropping a course
* a course should have the possibility of sorting the students based on course’s grade

Additionally, we want to have some helper functions for the following scenarios:

* given a course, return the students with the course grade bigger than the average course grade
* given an array of students, return the most enjoyed course (meaning the course which has the highest occurrence between the given students)
* given an array of courses, return the students which attend all given courses

As for the test cases, we would like you to think about them and come up with some, similar to those in the first assignment.