

COP 3503 Spring 2022 Section 2 Recitation Program #3

Classrooms (<https://open.kattis.com/problems/classrooms>)

For each recitation program, in order to get full credit, you must submit your solution to open.kattis.com and get your solution accepted on all test cases. (Kattis link is included above.) In addition, some of the assignments will have some separate requirements to fulfill based on your code. When submitting your work to Webcourses, please carefully read the corresponding directions document before submitting all of your files.

NOTE: Over the course of the semester, you must submit THREE out of the five recitation programs. It is expected that while you are in recitation, you start working on each of them. But, afterwards, you can choose which three to finish up.

What This Program Is Testing

This problem is testing greedy algorithms. A valid algorithm to solve the problem is an adaptation of the single room scheduling problem covered in class. As a hint, in addition to using the technique for single room scheduling, a TreeSet is useful to keep track of the rooms hosting events. Thus, this program is testing the use of some of the language tools taught early in the semester as well as coming up with a greedy algorithm to solve the problem.

What to Submit

Please submit the following:

- 1) Your source file, classrooms.java.
- 2) A screenshot of your solution's accepted status on Kattis. **(This screen shot needs to include BOTH your username and the checkmarks for all of the test cases.)**