

2011/T1 Entrance Exam

Thank you for participating in the RMU entrance exam, you're just in time to help us out! We have students in many time zones, and coordinating online meetings can be a real challenge.

Take a moment to read through the *student_availability.csv* file included along with these instructions. In the CSV, you'll find student names as well as their availability for Monday and Wednesday meetings. Your goal will be to come up with an optimal starting time for both the Monday and Wednesday meetings, based on the requirements below.

Requirements

- Ensure that as many students as possible can attend at least one of the two days, even if it reduces the number of students who can attend both.
- If it does not lead to a contradiction with the previous requirement, try to pick the starting times which allow the most students to attend both sessions.
- Produce two files *monday-roster.txt* and *wednesday-roster.txt*. The first line should display the meeting time in EDT and UTC. The second line should be blank. The remaining lines should be the names of students who can attend the session, one name per line
- Do not attempt to parse the CSV file by hand. Use either the CSV standard library on Ruby 1.9, or FasterCSV on Ruby 1.8
- Try to write clean, idiomatic object oriented Ruby code. This is at least as important as having a working solution, if not more.
- Your submission should be your own work. Do not share this problem with others until I release it publicly.