Introduction

Please consult the general requirements for Term projects [here](#).

Business Rules

You are managing teams within courses.

1. Each student is enrolled in many sections of various courses, and each section has many students.

    a. For each student we track their last name and their first name.

    b. The university also assigns them a unique Student ID since we cannot guarantee that the combination of their first and last name will be unique.

2. For each course we track the department, how many units the course is worth and a description of the course.

    a. The course is uniquely identified by the department name and the course number.

3. For each section, we track the instructor, the days of the week that it meets, and the hours that the course meets. Be careful to make sure that you manage this information as a set of atomic attributes rather than some mish mash like "MW 9:00-11:00 AM" which would be very hard to parse, process, or validate.

    a. The section is uniquely identified by the department name, the course number and the section number.

4. Within a given section students will form teams.

    a. A given student can belong to only one team within a section.

    b. But a student can belong to several teams, as long as each team is within a different course section.

    c. Each team has a name, but the name only must be unique within a given section.

5. Among the students within a team, one and only one student will be designated as the team lead for that team.

6. At the end of the term, each member of each team will fill out a survey in which they rate the other members of the team on how they performed during that semester.

    a. There will be several dimensions to the rating. These dimensions will be things like "did the other student attend meetings on time", "did they support the group consensus", "did they produce the deliverables that they agreed to with high quality" and so forth.

    b. For each student's rating of another student within a given team, they will give them a 5 (which signifies high marks) on down to a 1 (which means that other person really sucked at that).

     c.   Each section will have its own set of dimensions for the survey.

What to Turn In

All the deliverables required for term projects in general

Queries and sample data for the following

1. For each section within each course, list the teams and the students who are in each team. List one row of output per team. Order them by department, course number, section number, then team name.

2. For each student in each team, list the average of the scores that that student received **from their peers**. Students pretty much always give themselves a 5 across the board, so do not consider that score. Produce one row of output per student per course section.

3. For each student who leads two or more teams, report the student's first name, their last name, the department name, the course number, the section number and the name of the team. Output one row per student. Order the rows by student last name, then first name.

4. Produce a report that shows all of the teams whose number of students is > 2 higher or lower than the average number of students in the teams within that particular section.

Views

1. Student_course_section_dimension_v – Report the average value that the student received from their peers for each rating dimension within a given course section. One row for each rating dimension for each student within a given course section. Order by department, course number, student last name, student first name, and dimension text.

2. For each team, list the department name, the course name, the course units, the section number, the team name, and the first and last name of the team leader and their student ID.

3. Team_size_v – For each team, report the department name, the course number, the section number, the team name, and the number of students in the team. Order by department name, course number, section number and team name.