

1. List the members of your group below. Underline your name.

2. Consider a database with relations **Students**(*id*, *name*, *year*), **Courses**(*id*, *title*, *credits*), and **Enrolls**(*student*, *course*). A tuple $(i, n, y) \in \mathbf{Students}$ denotes a student with student-identifier *i*, name *n*, and year *y*. A tuple $(i, t, c) \in \mathbf{Courses}$ denotes a course with course-identifier *i*, title *t*, and *c* credits. A tuple $(s, c) \in \mathbf{Enrolls}$ denotes the enrollment of the student with identifier *s* in the class with identifier *c*. Write a SQL query for a list, sorted by student IDs, of the total number of credits for which each student is enrolled, along with the student's name and ID.

3. For the database of Question 2, write two different SQL query that return the student IDs that are in Courses but not in Students. (Make the queries as different as possible.)

4. Write a SQL query that generates a list of course IDs, course names, and the enrollment in each course with fewer than 10 students enrolled. The desired output is a list of tuples of the form (i, t, n) where i is a course identifier, t is that course's title, and n is the number of students enrolled in that course. If there is an enrollment record for a course with no known title then t should be null for that tuple.

5. Consider the student-course-enrollments database from the previous class exercise. Write a SQL query that generates a list of course IDs, course names, and the enrollment in each course with fewer than 10 students enrolled. The desired output is a list of tuples of the form (i, t, n) where i is a course identifier, t is that course's title, and n is the number of students enrolled in that course. If there is an enrollment record for a course with no known title then t should be null for that tuple.