

## Exercise 09: Data Definition Language (Set B)

### Instructions:

- A. Create the appropriate query for each item below. Put your queries in a file named `<surname1>_<surname2>_<surname3>_<section>_exer9.sql`
  - B. All items must be answered using one query only.
  - C. Make sure that the column names are descriptive of their purpose.
  - D. If you encounter errors regarding foreign key constraints, ignore them. Just answer whatever was asked by the question.
  - E. Log in using `mysql -uregistrar -ppour`. Use the `studentregistration` database.
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1. Create a table named `unit` which contains the unit name (e.g., ICS, INSTAT, DHUM) which ranges from 1-10 characters and also acts as the primary attribute, unit full name (e.g., Institute of Computer Science) which ranges from 1-30 characters, the college name of the college which houses the unit, the year it is established, and the number of faculty members in the said unit which is initially zero (0). A unit is always under one college and the college name must be an existing college.
  2. Create another table named `teacher` with an 8-digit employee number, a first name and last name, a birthday, and a degree. Use the first name, last name, birthday, and degree of the student table to fill out the table. Use the birthday year, day, and month (in this specific order) to create the employee number.
  3. Rename the degree column of `teacher` to `unit`.
  4. Remove the rows of the table `teacher`.
  5. Add a constraint to the `teacher` table which requires the teacher's unit to be existing first in the unit table before an entry can be added.
  6. Create a view that summarizes the average earned units of the students for each course. The view should include the degree and the average.
  7. Remove the birthday attribute of the `teacher`.
  8. Modify the previously created view so that the offering college could also be included in the view. Make the college the first column of the view.
  9. Remove the constraint for the college name in the table `unit`.
  10. Delete the table `unit`.