Mortel, Meg Edelviese B. Prof. Bedis

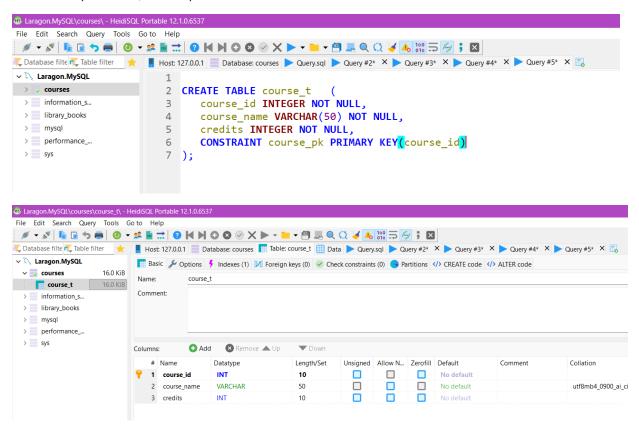
BSIT 3-1N Data Administration

Activity 2: Writing SQL Syntax

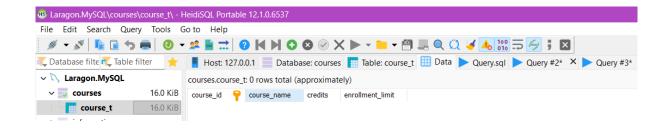
Instructions:

Write the appropriate SQL syntax for the following tasks. Use the examples provided in the lesson as a guide.

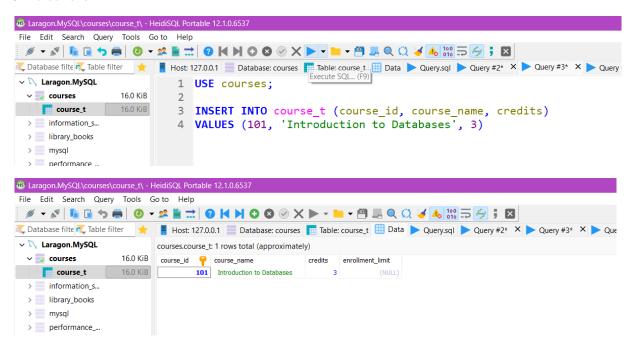
- 1. Create a table named course_t with the following columns:
 - course_id (INTEGER, primary key, not null)
 - course_name (VARCHAR(50), not null)
 - o credits (INTEGER, not null)



2. Add a column enrollment_limit (INTEGER) to the course_t table.



- 3. Insert the following data into the course_t table:
 - o course id: 101
 - o course_name: "Introduction to Databases"
 - o credits: 3



4. Update the credits column for the course with course_id 101 to 4.

```
Laragon.MySQL\courses\course_t\ - HeidiSQL Portable 12.1.0.6537
    File Edit Search Query Tools Go to Help

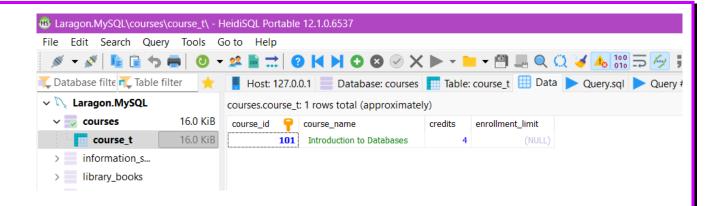
    ✓ ✓
    Image: Image:
  🏋 Database filte 📆 Table filter 🏻 🐈 🚪 Host: 127.0.0.1 🧮 Database: courses 🔚 Table: course_t 🔠 Data 🕨 Query.sql 🕨 Query #2* 🗴 🕨 Query

√ N Laragon.MySQL

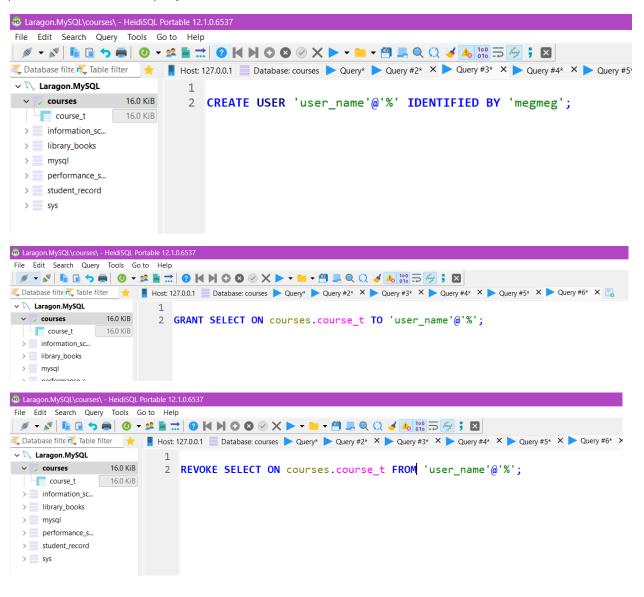
                                                                                                                                                              1 USE courses;

√ □ courses

                                                                                                       16.0 KiB
                                                                                                                                                              2
                                                                                                     16.0 KiB
                        course_t
                                                                                                                                                             3 UPDATE course_t
           > information_s...
                                                                                                                                                              4 SET credits = 4
           > library_books
                                                                                                                                                              5 WHERE course id = 101;
            > mysql
                                                                                                                                                              6
            > performance_...
            > sys
```



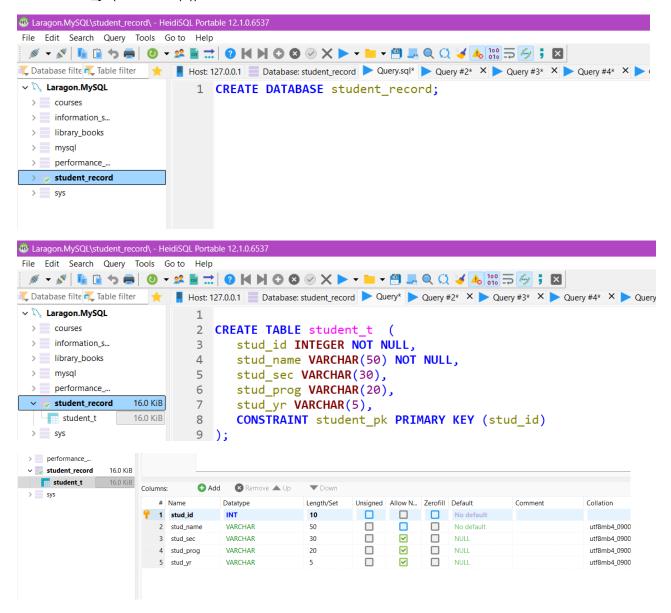
5. Revoke permission for a user to query the course_t table.



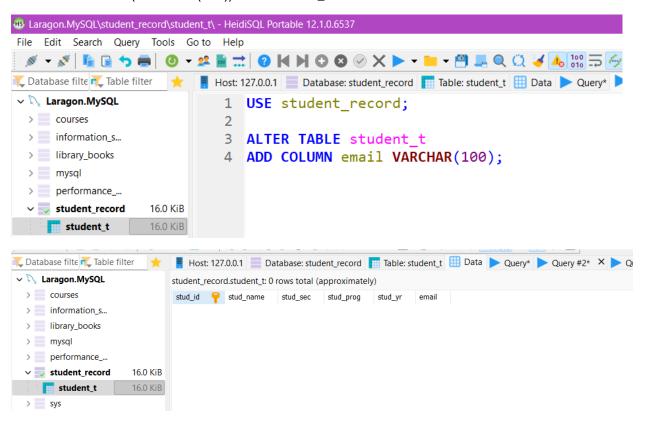
PART #2

Instructions: Write the appropriate SQL syntax for the following tasks.

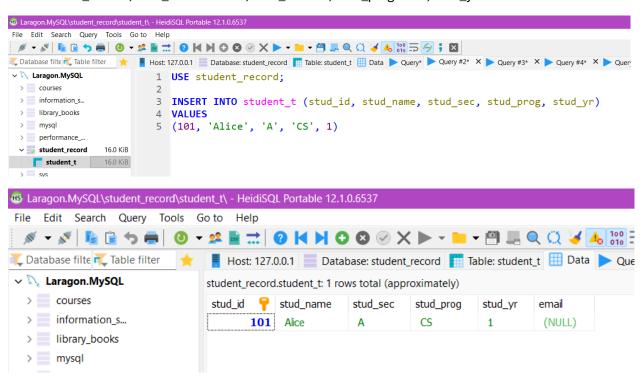
- 1. Create a table student_t with the following columns:
 - stud_id (INTEGER, Primary Key, NOT NULL)
 - stud_name (VARCHAR(50), NOT NULL)
 - stud_sec (VARCHAR(30))
 - stud_prog (VARCHAR(20))
 - stud_yr (VARCHAR(5))



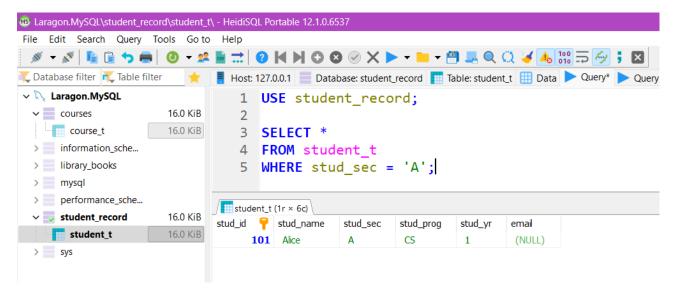
2. Add a column email (VARCHAR(100)) to the student_t table.



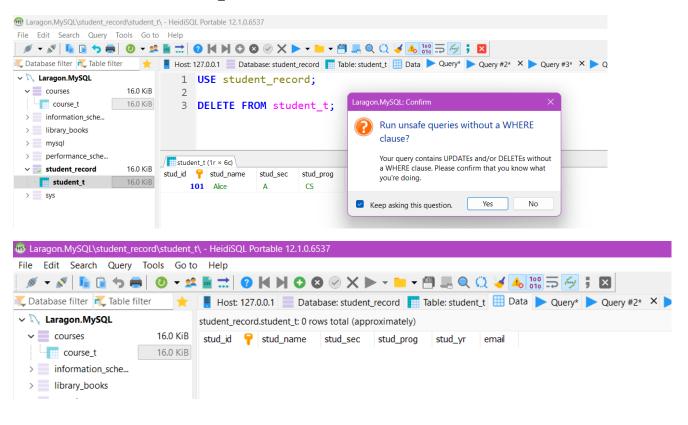
- 3. Insert the following record into the student_t table:
 - o stud_id: 101, stud_name: "Alice", stud_sec: "A", stud_prog: "CS", stud_yr: "1"



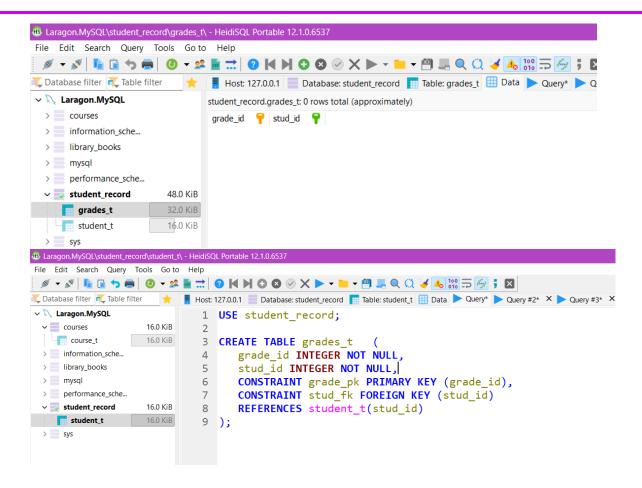
4. Write a query to retrieve all records from the student_t table where stud_sec is "A".



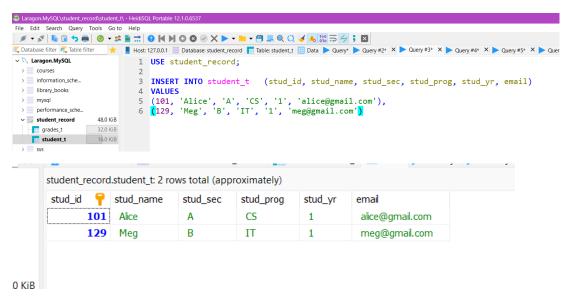
5. Delete all records from the student_t table but retain the table structure.



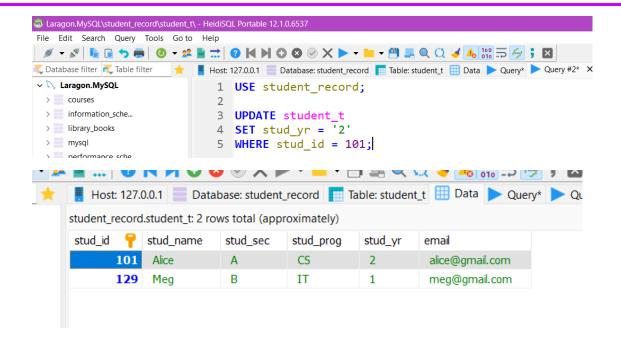
- 6. Create a table grades_t with the following constraints:
 - grade_id as the Primary Key
 - stud_id as a Foreign Key referencing student_t



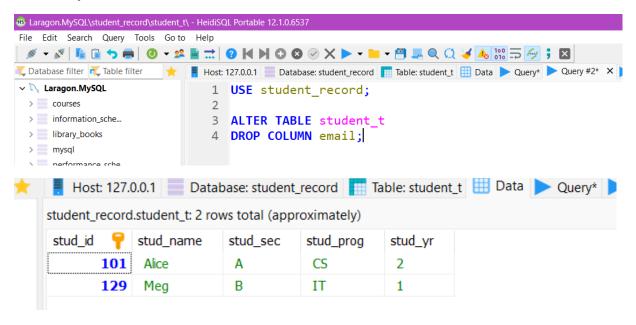
- 7. Update the stud_yr of the student with stud_id 101 to "2".
 - o I inserted new values as I deleted the data of the table instructed in #5



Then updated the year of stud_id 101:



8. Write the syntax to remove the email column from the student_t table.



9. Grant permission to a user to guery the student_t table.

```
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| Search Query Tools Go to Help
| Search Query Tools Go to Help
| Database filte | Table filter | Host: 127.0.0.1 | Database: student_record | Table: student_t | Data | Query* | Query #3* × Query | Query |
```

10. Revoke permission for a user to delete records from the student_t table.

