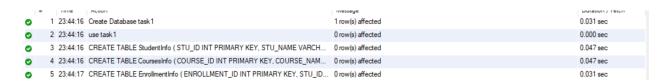
### Task1

Project Title: Academic Management System (using SQL) Project Description: Design and develop an Academic Management System using SQL. The projects should involve three tables 1.StudentInfo 2. CoursesInfo 3.EnrollmentInfo.

### 1. Database Creation:

- a) Create the StudentInfo table with columns STU\_ ID, STU\_NAME, DOB, PHONE\_NO, EMAIL\_ID, ADDRESS.
- b) Create the CoursesInfo table with columns COURSE\_ID, COURSE\_NAME,COURSE\_INSTRUCTOR NAME.
- c) Create the EnrollmentInfo with columns ENROLLMENT\_ID, STU\_ ID, COURSE\_ID, ENROLL\_STATUS(Enrolled/Not Enrolled). The FOREIGN KEY constraint in the EnrollmentInfo table references the STU\_ID column in the StudentInfo table and the COURSE\_ID column in the CoursesInfo table.



## 2. Data Creation:

Insert some sample data for StudentInfo table, CoursesInfo table, EnrollmentInfo with respective fields.

Table - StudentInfo



Table - CoursesInfo

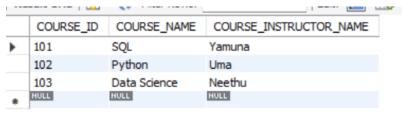
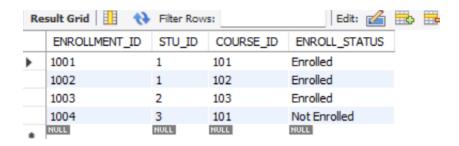
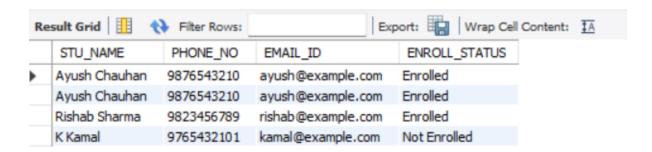


Table - EnrollmentInfo



## 3) Retrieve the Student Information

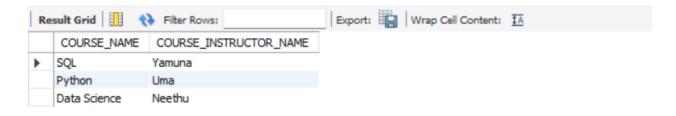
a) Write a query to retrieve student details, such as student name, contact informations, and Enrollment status.



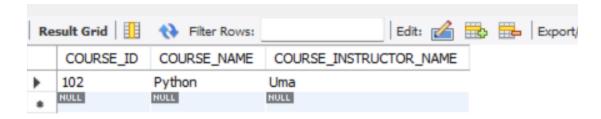
b) Write a query to retrieve a list of courses in which a specific student is enrolled.



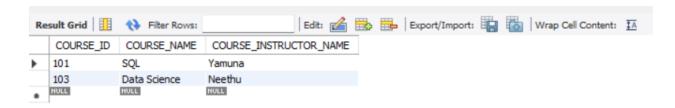
c) Write a query to retrieve course information, including course name, instructor information.



d) Write a query to retrieve course information for a specific course .

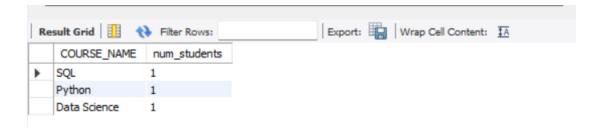


e) Write a query to retrieve course information for multiple courses.

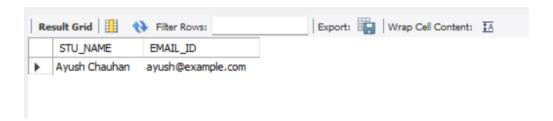


# 4. Reporting and Analytics (Using joining queries)

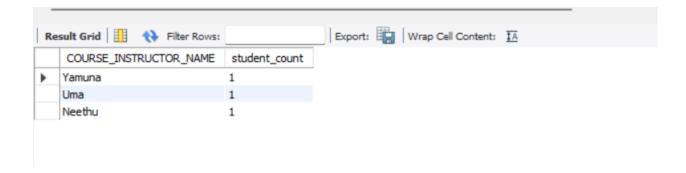
a) Write a query to retrieve the number of students enrolled in each course.



b) Write a query to retrieve the list of students enrolled in a specific course.



c) Write a query to retrieve the count of enrolled students for each instructor.



d) Write a query to retrieve the list of students who are enrolled in multiple courses.



e) Write a query to retrieve the courses that have the highest number of enrolled students(arranging from highest to lowest).

