

## SQL LAB -7

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Lab 1: Use the Student management system Database and table from our previous lab and write a sql query to achieve the below scenario.

Assume you are managing a university database that tracks student enrollments in various courses. You have two tables, "Student" and "Enrollment". The goal is to retrieve information about each student's ID, first name, last name, and their enrollment details, including the enrollment ID and the associated course ID.

Hint: Use inner join to retrieve data.

### SOLUTIONS:

```
mysql> select s.studentid,s.firstname,s.lastname,e.enrollmentid,e.courseid from student as s
-> inner join
-> enrollment as e
-> on s.studentid=e.studentid;
```

studentid	firstname	lastname	enrollmentid	courseid
1	Jane	Smith	1	1
2	Mani	kadiyala	2	2
3	Sushmitha	Pothireddy	3	3
4	Sirisha	Yarrampally	4	4
5	Keerthi	Uppara	5	5

```
5 rows in set (0.00 sec)
```

### ChatGPT Exercise

Using ChatGPT generates SQL queries of the below problem .

Scenario 1: Imagine you have tables for students and courses. Use an innerjoin to generate a list of all possible student-course combinations, displaying the student name and course name.

We have a "Student" table with the following a columns:StudentId,FirstName,lastName and "Course" table with the following a columns: CourseId,CourseName and Enrollment table with the following a columns:EnrollmentID,StudentID(Foreignkey),CourseID(ForeignKey). You want to use inner join to generate a list of all possible student-course combinations.Generate the ChatGPT prompt for the above scenario.

```
SELECT
    Student.FirstName,
    Student.LastName,
    Course.CourseName
FROM
    Enrollment
INNER JOIN
    Student ON Enrollment.StudentId = Student.StudentId
INNER JOIN
    Course ON Enrollment.CourseId = Course.CourseId;
```