SQL project : student course system

Introduction

This project uses a sample student management dataset with three tables:

-**Students** (student_id,student_name,gender,perc)

-**courses** (course_id,course_name,course_descriptions)

-**Enrollment** (e_id,student_id,course_id,e_date)

The goal is to practice SQL queries and generate student course system.

List all students with their courses

```
SELECT students.student_name, courses.course_name,
enrollment.enrollment_date
FROM students
JOIN enrollment ON students.student_id =
enrollment.student_id
JOIN courses ON enrollment.course_id = courses.course_id;
```

How many students are in each course

```sql
  SELECT courses.course_name,
COUNT(enrollment.student_id) AS total_students

FROM courses

LEFT JOIN enrollment ON courses.course_id =
enrollment.course_id

GROUP BY courses.course_name;
```

Students not enrolled in any course

```sql
  SELECT students.student_name

FROM students

LEFT JOIN enrollment ON students.student_id =
enrollment.student_id

WHERE enrollment.course_id IS NULL;
```

Top 3 students by percentage

```sql
  SELECT student_name, percentage

FROM students

ORDER BY percentage DESC LIMIT 3;
```