Module 2 – Databases and Backend Development

SQL Exercise 1

Overview

This exercise is a **continuation of exercise 1**, In this exercise, you will explore SQL joins by combining information from multiple tables. You'll learn to use INNER JOIN, LEFT JOIN, and RIGHT JOIN to extract meaningful relationships between Students, Enrollments, and Courses.

Instructions:

// TODO: Create an SQL query that uses an INNER JOIN

1. Write a query to join Students and Enrollments tables to get the list of students along with their enrolled courses
2. Use the INNER JOIN keyword to connect the Students and Enrollments tables based on the student_id field

// TODO: Create an SQL query that uses a LEFT JOIN

1. Write a query to find all students and their courses, including students who are not enrolled in any courses
2. Use the LEFT JOIN keyword to connect the Students and Enrollments tables.

// TODO: Create an SQL query that uses a RIGHT JOIN

1. Write a query to find all courses and their enrollments, including courses that do not have any students enrolled
2. Use the RIGHT JOIN keyword to connect the Courses and Enrollments tables

Submission:

Save your SQL queries in a file named tertiary_institution_exercises_1.sql and upload it to the LMS