

Lab7 assignment: Querying Database using SELECT

(subqueries, aliases, Join)

- Download the database “Lab7DB” from the blackboard and import it into MySQL
- Write SQL lines using subqueries, aliases, and join to accomplish each of the following
 - List the course_id, title, semester, and year for all courses, whether the course has sections associated to it or not
 - List the course_id, title, semester, and year only for those courses having sections associated to them. Course should be ordered descendingly by the course_id
 - List the course_id, title, dept_name, and budget of the offering department for courses, whose credits exceed the average number of credits of all courses.
 - List the course_id, title, and count of associated sections for those courses offered in winter 1446.
 - List the dept_name, course_id, title, sec_id, room_number, and capacity for all sections that are given in a classroom with a capacity greater than or equal 50. Output should be ordered ascendingly by course_id then sec_id
 - [You are about to finish. Let’s find our course and your section 😊]: list course_id, title, credits, sec_id, building, room_number, time_slot_id for the course whose title is “Database Fundamentals”. Only sections of winter 1446 should be displayed.

Lab submission requirements

- Each student should write DML code to carry out the above tasks on MySQL workbench.
- After finishing and testing your code, the complete SQL should be saved and showed to the lab instructor to get the marks