

Lab6 assignment: Querying Database using SELECT

(Order by, aggregate functions, Group by, and Having)

- This lab is to be completed using the same database of lab5 from last week
- Download the database “Lab5” from the blackboard and import it into MySQL
- Write SQL lines using SELECT/FROM/WHERE/GROUP BY/HAVING/ORDER BY to accomplish each of the following
 - Generate all classrooms within the college of computing in an ascending order of their capacity
 - Generate all courses ordered ascendingly by their credits, then descendingly by course_id
 - Generate the course with the maximum credits in the table course. The four columns of the table should be displayed for this course
 - Generate the number of courses, and the sum of their credits for each department within the college of computing. The output should have three columns: dept_name, No_Course, Total_Credits. Courses with no department should not be displayed
 - Generate the number of courses, which have prerequisite, for each department within the college of computing. The output should have two columns: dept_name, No_Course. Courses with no department should not 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