Lab5 assignment: Querying Database using SELECT

- Download the database "Lab5" from the blackboard and import it into MySQL
- Write SQL lines using SELECT/FROM/WHERE to accomplish each of the following
    - Generate course_id and title of all courses in the table "course"
    - Generate dept_name and credits from the table "course". The generated table should not contain any repeated rows
    - Generate all classrooms in the "Computing" building with its Exam Capacity. The output should have two columns: "Room_Number" and "ExamCapacity". The column "ExamCapacity" should have half the original capacity in the "classroom" table
    - Generate only labs in the "Computing" building with its Capacity. The output should have two columns: "Room_Number" and "Capacity".
    - Extract courses that are offered by the "Computer Engineering" department in the "course" table
    - Extract classrooms of larger capacity greater than 50 seats from the classroom table.
    - Extract time_slot_ids which start from 10 to 15 in the "time_slot" table. Only time_slot_id and star_hr should be displayed without repetition
    - Extract all course_ids, except those having 3 credits or those without a department. Only course_id and credits should be displayed.
    - Extract course_id and title, whose responsible department has a budget of 70000. Only course_id and title should be displayed.
    - Extract course_id, title, and prerequisite, whose responsible department is "Data Science". Only courses with prerequisites should be displayed. The output should have three columns: course_id, title, prereq_id.

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