**MySQL Labs**

**MySQL (Day3):**

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| ***1*** | ***Update students courses table, set the registration date value to “Today”;*** |
|  | ***update students\_courses set reg\_date = current\_date();*** |
| ***2*** | ***Display the registration date in the following format:***  ***Day, month/ year*** |
|  | ***select DATE\_FORMAT(reg\_date, '%m/%d/%Y') from students\_courses;*** |
| ***3*** | ***Display the capitalized last name , and the grade , if he has no grade display the keyword absent. [using ifNULL function]*** |
|  | ***SELECT UCASE(last\_name), IFNULL(grade, 'absent') AS result from students, students\_courses where students.student\_id = students\_courses.student\_id ;*** |
| ***4*** | ***Display students' names, course name along with their grades.*** |
|  | ***select First\_name, course\_name, grade***  ***-> from students, courses, students\_courses***  ***-> where students.student\_id = students\_courses.student\_id***  ***-> and courses.course\_id = students\_courses.course\_id;*** |
| ***5*** | ***For each course, display the course name, min grade, max grade, average grade, number of attended students.*** |
|  | **select course\_name, min(grade), max(grade), avg(grade), count(student\_id)**  **-> from courses, students\_courses**  **-> where courses.course\_id = students\_courses.course\_id**  **-> group by course\_name;** |
| ***6*** | ***Use subquery to display the names of the students who were born before student no 1.*** |
|  | ***select first\_name, last\_name***  ***-> from students***  ***-> where birth\_date < (select birth\_date from students where student\_id = 1);*** |
| ***7*** | ***Use subquery to display the data of all the courses with a credit hour similar to MySQL's credit hours*** |
|  | ***select\****  ***-> from courses***  ***-> where credit\_hour = (select credit\_hour from courses where course\_name = 'MYSQL')***  ***-> AND course\_name <> 'MYSQL';*** |