**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 = curdate();*** |
| ***2*** | ***Display the registration date in the following format:***  ***Day, month/ year*** |
|  | ***select student\_id,course\_id, grade, DAY(reg\_date) AS day,MONTH(reg\_date) AS month, YEAR(reg\_date) AS year***  ***-> 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 UPPER(last\_name), IFNULL(grade, 'absent')***  ***-> 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, last\_name, course\_name, grade***  ***-> from students s, courses c, students\_courses g***  ***-> where c.course\_id = g.course\_id***  ***-> and s.student\_id = g.student\_id;*** |
| ***5*** | ***For each course, display the course name, min grade, max grade, average grade, number of attended students.*** |
|  | **select course\_name, count(\*),**  **-> MIN(grade) AS min\_grade,**  **-> MAX(grade) AS max\_grade,**  **-> AVG(grade) AS avg\_grade**  **-> from students s, courses c, students\_courses g**  **-> where c.course\_id = g.course\_id**  **-> and s.student\_id = g.student\_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\_id = 5);*** |