**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 date\_format(reg\_date,'%d,%m/%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 upper (last\_name) , ifnull(grade,'absent')***  ***-> from students st left outer join students\_courses stc***  ***-> on st.student\_id = stc.student\_id;*** |
| ***4*** | ***Display students' names, course name along with their grades.*** |
|  | ***select concat(first\_name,' ',last\_name) as FullName ,course\_name,grade***  ***-> from students st , courses c , students\_courses stc***  ***-> where st.student\_id = stc.student\_id***  ***-> and c.course\_id = stc.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(grade)**  **from students st , courses c , students\_courses stc**  **where st.student\_id = stc.student\_id**  **and c.course\_id = stc.course\_id**  **group by course\_name;** |
| ***6*** | ***Use subquery to display the names of the studentswho were born before student no 1.*** |
|  | ***select concat(first\_name,' ',last\_name) as FullName***  ***-> 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');*** |