**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 = (SELECT CURDATE());  SELECT \* FROM students\_courses; |
| ***2*** | ***Display the registration date in the following format:***  ***Day, month/ year*** |
|  | SELECT DATE\_FORMAT(reg\_date,"%d,%m/%Y") as Registration\_Date\_in\_Format  FROM students\_courses; |

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| ***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) as Last\_Name, grade IFNULL(NULL,"absent")  FROM students S, students\_courses C  WHERE S*.*student\_id = C.student\_id; |
| ***4*** | ***Display students' names, course name along with their grades.*** |
|  | SELECT CONCAT(first\_name, ' ',last\_name) as Student\_Name, grade as Grade  FROM students S,students\_courses SC  WHERE S.student\_id = SC.student\_id; |
| ***5*** | ***For each course, display the course name, min grade, max grade, average grade, number of attended students.*** |
|  | SELECT course\_name, MIN(grade) as Minimum\_Grade, MAX(grade) as Maximum\_Grade, AVG(grade) AS Average\_Grade, COUNT(C.course\_id) AS Number\_of\_Attended\_students  FROM courses C, students\_courses SC  WHERE C.course\_id= SC.course\_id  GROUP BY course\_name; |
| ***6*** | ***Use subquery to display the names of the students who were born before student no 1.*** |
|  | SELECT CONCAT(first\_name, ' ',last\_name) as Student\_Name, birth\_date as Birth\_Date  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 in (SELECT credit\_hour FROM courses WHERE credit\_hour >2); |