**MySQL (Day2):**

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| ***1*** | ***Display the full name (first, last) of the student with his grade.***  ***if his garde is greater than 85% Excellent, from 75% to 85% Very good, from 65% to 75% Good and from 55% to 65% pass otherwise will be graded as failed.*** |
|  | **SELECT**  **CONCAT(first\_name, ' ', last\_name) AS full\_name,**  **CASE**  **WHEN percentage > 85 THEN 'Excellent'**  **WHEN percentage >= 75 AND percentage <= 85 THEN 'Very good'**  **WHEN percentage >= 65 AND percentage < 75 THEN 'Good'**  **WHEN percentage >= 55 AND percentage < 65 THEN 'Pass'**  **ELSE 'Failed'**  **END AS grade**  **FROM**  **students;** |
| ***2*** | ***Display the capitalized last name , and the grade , if he has no grade display the keyword absent. [using ifNULL function]*** |
|  | ***Select upper(lname), ifnull((grade,’absent’) from students;*** |
| ***3*** | ***Display students' names, course name along with their grades.*** |
|  | ***SELECT s.student\_name, c.course\_name, g.grade***  ***FROM students s***  ***JOIN grades g ON s.student\_id = g.student\_id***  ***JOIN courses c ON g.course\_id = c.course\_id;*** |
| ***4*** | ***For each course, display the course name, min grade, max grade, average grade, number of attended students.*** |
|  | **SELECT**  **course\_name,**  **MIN(grade) AS min\_grade,**  **MAX(grade) AS max\_grade,**  **AVG(grade) AS average\_grade,**  **COUNT(\*) AS num\_attended\_students**  **FROM**  **grades**  **GROUP BY**  **course\_name;** |
| ***5*** | ***Use subquery to display the names of the students who were born before student no 1.*** |
|  | ***SELECT student\_name***  ***FROM students***  ***WHERE birthdate < (SELECT birthdate FROM students WHERE student\_id = 1);*** |
| ***6*** | ***Use subquery to display the data of all the courses with a credit hour similar to MySQL's credit hours*** |
|  | ***SELECT course\_name, credit\_hours***  ***FROM courses***  ***WHERE credit\_hours = (***  ***SELECT credit\_hours***  ***FROM courses***  ***WHERE course\_name = 'MySQL'***  ***);*** |