MySQL (Day2):

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(s.first_name, ' ', s.last_name) AS full_name, **-> CASE** **-> WHEN sc.grade > 85 THEN 'Excellent'** **-> WHEN sc.grade > 75 AND sc.grade <= 85 THEN 'Very good'** **-> WHEN sc.grade > 65 AND sc.grade <= 75 THEN 'Good'** **-> WHEN sc.grade > 55 AND sc.grade <= 65 THEN 'Pass'** **-> ELSE 'Failed'** **-> END AS grade_level** **-> FROM students s** **-> JOIN students_courses sc ON s.student_id = sc.student_id;**
2	***Display the capitalized last name , and the grade , if he has no grade display the keyword absent. [using ifNULL function]***
	SELECT UPPER(s.last_name) AS capitalized_last_name, **-> IFNULL(sc.grade, 'absent') AS grade** **-> FROM students s** **-> LEFT JOIN students_courses sc ON s.student_id = sc.student_id;**
3	***Display students' names, course name along with their grades.***
	SELECT CONCAT(students.first_name, ' ', students.last_name) AS student_name, **-> courses.course_name,** **-> students_courses.grade** **-> FROM students** **-> INNER JOIN students_courses ON students.student_id = students_courses.student_id** **-> INNER JOIN courses ON students_courses.course_id = courses.course_id;**

4	***For each course, display the course name, min grade, max grade, average grade, number of attended students.***
	SELECT c.course_name, **-> MIN(sc.grade) AS min_grade,** **-> MAX(sc.grade) AS max_grade,** **-> AVG(sc.grade) AS avg_grade,** **-> COUNT(sc.student_id) AS num_attended_students** **-> FROM courses c** **-> JOIN students_courses sc ON c.course_id = sc.course_id** **-> GROUP BY c.course_name;**
5	***Use subquery to display the names of the students who were born before student no 1.***
	SELECT CONCAT(students.first_name, ' ', students.last_name) AS student_name **-> FROM students** **-> WHERE birth_date < (SELECT birth_date 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 * **-> FROM courses** **-> WHERE credit_hour = (SELECT credit_hour FROM courses WHERE course_name = 'MySQL');**