**Lab 05 – Advanced SQL**

**(Join, View)**

**Objective:**

* Students practice selecting data from different tables (Inner join, left join, and right join).
* Students learn to create and modify views.

**Submission:**

***Your submission will be a single text-based SQL file with the solutions provided.***

Create a new SQL tab in the MySQL workbench. Save the script as L05\_ID\_LASTNAME.sql

Your submission needs to be commented and include the question and the solutions. Make sure every SQL statement terminates with a semicolon.

**Tasks:**

Select data from multiple tables

1. For all employees in France, display employee number, first name, last name, city, phone number and postal code. (15%)
2. Create a view (***customer\_order***) to list all orders with the following data for all customers:

customerNumber, order number, order date, order line number,product name, quantity ordered, and price for each product in every order. (15%)

1. Using the ***customer\_order*** view, display the order information for customer number 124. Sort the output based on order number and then order line number. (15%)

1. Display customer number, first name, last name, phone, and credit limits for all customers who do not have any orders. (15%)
2. Create a view (***employee\_manager***) to display all information of all employees and the name and the last name of their managers if there is any manager that the employee reports to. (15%)
3. Modify the ***employee\_manager*** view so the view returns only employee information for employees who have a manager. (15%)
4. Drop both ***customer\_order*** and ***employee\_manager*** views. (10%)