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%)

3. 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%)

4. Display customer number, first name, last name, phone, and credit limits for all customers who do not have any orders. (15%)

5. 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%)

6. Modify the *employee_manager* view so the view returns only employee information for employees who have a manager. (15%)

7. Drop both *customer_order* and *employee_manager* views. (10%)