# **Lab: Data Aggregation**

This document defines the lab exercise assignments for the MySQL course @ Software University.

Download and get familiar with the restaurant database. You will use it in the assignments bellow.

#### **Departments Info** 1.

Write a query to count the number of employees in each department by id. Order the information by deparment\_id, then by Number of employees. Submit your queries with the MySQL prepare DB & run queries strategy.

### **Example**

department_id	Number of employees
1	2
2	4
3	3

# 2. Average Salary

Write a query to calculate the average salary in each department. Order the information by department id. Round the salary result to two digits after the decimal point. Submit your queries with the MySQL prepare DB & run queries strategy.

## **Example**

department_id	Average Salary
1	2050
2	1090
3	736.67

#### Min Salary 3.

Write a query to retrieve information about the departments grouped by department id with minimum salary higher than 800. Round the salary result to two digits after the decimal point. Submit your queries with the MySQL prepare DB & run queries strategy.

# **Example**

department_id	Min Salary
1	1700















#### **Appetizers Count** 4.

Write a query to retrieve the count of all appetizers (category id = 2) with price higher than 8. Submit your queries with the MySQL prepare DB & run queries strategy.

#### **5. Menu Prices**

Write a query to retrieve information about the prices of each category. The output should consist of:

- Category\_id
- **Average Price**
- **Cheapest Product**
- **Most Expensive Product**

See the examples for more information. Round the results to 2 digits after the decimal point. Submit your queries with the MySQL prepare DB & run queries strategy.

### **Example**

category_id	Average Price	<b>Cheapest Product</b>	Most Expensive Product
1	7.49	6.79	8.79
2	10.93	7.99	14.89
3	7.90	6.90	8.89
4	12.79	11.69	13.69
5	5.37	4.90	5.60















