Lab: Data Aggregation

This document defines the **lab exercise assignments** for the MySQL course @ Software University.
Please submit your solutions (source code) to all the below-described problems in Judge.

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

1. Departments Info

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

3. Min Salary

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

4. Appetizers Count

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	Cheapest Product	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