

# Lab: Subqueries and JOINS

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

You will use the **soft\_uni database** to write queries for the following exercises.

## 1. Managers

Write a query to retrieve information about the **managers** – **id**, **full\_name**, **deparment\_id** and **department\_name**. Select the **first 5** departments ordered by **employee\_id**. Submit your queries using the "MySQL prepare DB and Run Queries" strategy.

### Example

employee_id	full_name	department_id	department_name
3	Roberto Tamburello	10	Finance
4	Rob Walters	2	Tool Design
...	...	...	...

## 2. Towns Addresses

Write a query to get information about the **addresses** in the database, which are in **San Francisco**, **Sofia** or **Carnation**. Retrieve **town\_id**, **town\_name**, **address\_text**. Order the result by **town\_id**, then by **address\_id**. Submit your queries using the "MySQL prepare DB and Run Queries" strategy.

### Example

town_id	town_name	address_text
9	San Fransisco	1234 Seaside Way
9	San Fransisco	5725 Glaze Drive
15	Carnation	1411 Ranch Drive
...	...	...

## 3. Employees Without Managers

Write a query to get information about **employee\_id**, **first\_name**, **last\_name**, **department\_id** and **salary** for all employees who **don't have** a manager. Submit your queries using the "MySQL prepare DB and Run Queries" strategy.

### Example

employee_id	first_name	last_name	department_id	salary
109	Ken	Sanchez	16	125 500
291	Svetlin	Nakov	6	48 000
292	Martin	Kulov	6	48 000
293	George	Denchev	6	48 000

## 4. Higher Salary

Write a query to count the number of employees who receive **salary** higher than the **average**. Submit your queries using the "MySQL prepare DB and Run Queries" strategy.

## Example

count
88