

Lab: Subqueries and JOINS

This document defines the lab assignments for [“Databases Basics with MySQL Course”](#) at Software University.

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**, **department_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 Adresses

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