# Lab: Subqueries and Joins

You can check your solutions here: <https://judge.softuni.org/Contests/3143/Revision-Exercises>.

# SoftUni Database

## Addresses with Towns

Write a query that selects:

* **FirstName**
* **LastName**
* **Town**
* **AddressText**

**Sorted** by **FirstName** in **ascending** order then by **LastName**. Select **first 50** employees.

### Example:

|  |  |  |  |
| --- | --- | --- | --- |
| **FirstName** | **LastName** | **Town** | **AddressText** |
| A.Scott | Wright | Newport Hills | 1400 Gate Drive |
| Alan | Brewer | Kenmore | 8192 Seagull Court |
| … | … | … | … |

## Sales Employee

Write a query that selects:

* **EmployeeID**
* **FirstName**
* **LastName**
* **DepartmentName**

**Sorted** by **EmployeeID** in **ascending** order. Select only **employees** from "**Sales**" department.

### Example:

|  |  |  |  |
| --- | --- | --- | --- |
| **EmployeeID** | **FirstName** | **LastName** | **DepartmentName** |
| 268 | Stephen | Jiang | Sales |
| 273 | Brian | Welcker | Sales |
| … | … | … | … |

## Employees Hired After

Write a query that selects:

* **FirstName**
* **LastName**
* **HireDate**
* **DeptName**

Filter only **employees** **hired after 1.1.1999** and are from either **"Sales"** or **"Finance"** departments, s**orted** by **HireDate** (**ascending**).

### Example:

|  |  |  |  |
| --- | --- | --- | --- |
| **FirstName** | **LastName** | **HireDate** | **DeptName** |
| Debora | Poe | 2001-01-19 00:00:00 | Finance |
| Wendy | Kahn | 2001-01-26 00:00:00 | Finance |
| … | … | … | … |

## Employee Summary

Write a query that selects:

* **EmployeeID**
* **EmployeeName**
* **ManagerName**
* **DepartmentName**

Show **first 50 employees** with their **managers** and the **departments** they are in (show the departments of the employees). **Order** by **EmployeeID**.

### Example

|  |  |  |  |
| --- | --- | --- | --- |
| **EmployeeID** | **EmployeeName** | **ManagerName** | **DepartmentName** |
| 1 | Guy Gilbert | Jo Brown | Production |
| 2 | Kevin Brown | David Bradley | Marketing |
| 3 | Roberto Tamburello | Terri Duffy | Engineering |
| … | … | … | … |

## Min Average Salary

Write a query that **returns** the value of the **lowest** **average** **salary** of all **departments**.

### Example:

|  |
| --- |
| **MinAverageSalary** |
| 10866.6666 |