# Exercises: JOINs

You can check your solutions here: <https://judge.softuni.org/Contests/3137/JOINs>.

## Employee Address

Write a query that selects:

* **EmployeeId**
* **JobTitle**
* **AddressId**
* **AddressText**

Return the **first 5** rows **sorted** by **AddressId** in **ascending** order.

### Example:

|  |  |  |  |
| --- | --- | --- | --- |
| **EmployeeId** | **JobTitle** | **AddressId** | **AddressText** |
| 142 | Production Technician | 1 | 108 Lakeside Court |
| 30 | Human Resources Manager | 2 | 1341 Prospect St |
| … | … | … | … |

## Employee Departments

Write a query that selects:

* **EmployeeID**
* **FirstName**
* **Salary**
* **DepartmentName**

Filter only **employees** with **salary higher than 15000**. Return the **first 5** rows **sorted** by **DepartmentID** in **ascending** order.

### Example:

|  |  |  |  |
| --- | --- | --- | --- |
| **EmployeeID** | **FirstName** | **Salary** | **DepartmentName** |
| 3 | Roberto | 43300.00 | Engineering |
| 9 | Gail | 32700.00 | Engineering |
| … | … | … | … |

## Employees Without Project

Write a query that selects:

* **EmployeeID**
* **FirstName**

Filter only **employees** **without** a **project**. Return the **first 3** rows **sorted** by **EmployeeID** in **ascending** order.

### Example:

|  |  |
| --- | --- |
| **EmployeeID** | **FirstName** |
| 2 | Kevin |
| 6 | David |
| … | … |

## Employees with Project

Write a query that selects:

* **EmployeeID**
* **FirstName**
* **ProjectName**

Filter only **employees** **with** a **project** which has **started after 13.08.2002** and it is still **ongoing** (no end date). Return the **first 5** rows **sorted** by **EmployeeID** in **ascending** order.

### Example

|  |  |  |
| --- | --- | --- |
| **EmployeeID** | **FirstName** | **ProjectName** |
| 1 | Guy | Racing Socks |
| 1 | Guy | Road Bottle Cage |
| … | … | … |

## Employee 24

Write a query that selects:

* **EmployeeID**
* **FirstName**
* **ProjectName**

Filter all the **projects** of **employee** with **Id 24**. If the project has **started during or** **after** **2005** the **returned** value should be **NULL**.

### Example

|  |  |  |
| --- | --- | --- |
| **EmployeeID** | **FirstName** | **ProjectName** |
| 24 | David | NULL |
| 24 | David | Road-650 |
| … | … | … |

## Employee Manager

Write a query that selects:

* **EmployeeID**
* **FirstName**
* **ManagerID**
* **ManagerName**

Filter all **employees** with a **manager** who has **ID** equals to **3 or 7**. Return all the rows, **sorted** by **EmployeeID** in **ascending** order.

### Example

|  |  |  |  |
| --- | --- | --- | --- |
| **EmployeeID** | **FirstName** | **ManagerID** | **ManagerName** |
| 4 | Rob | 3 | Roberto |
| 9 | Gail | 3 | Roberto |
| … | … | … | … |

## Highest Peaks in Bulgaria

Write a query that selects:

* **CountryCode**
* **MountainRange**
* **PeakName**
* **Elevation**

Filter all **peaks** in **Bulgaria** with **elevation** **over** **2835**. **Return** all the rows **sorted** by **elevation** in **descending** order.

### Example

|  |  |  |  |
| --- | --- | --- | --- |
| **CountryCode** | **MountainRange** | **PeakName** | **Elevation** |
| BG | Rila | Musala | 2925 |
| BG | Pirin | Vihren | 2914 |
| … | … | … | … |

## Count Mountain Ranges

Write a query that selects:

* **CountryCode**
* **MountainRanges**

Filter the **count** of the **mountain** **ranges** in the **United** **States**, **Russia** and **Bulgaria**.

### Example

|  |  |
| --- | --- |
| **CountryCode** | **MountainRanges** |
| BG | 6 |
| RU | 1 |
| … | … |

## Countries with Rivers

Write a query that selects:

* **CountryName**
* **RiverName**

Find the **first** **5** **countries** with or without **rivers** in **Africa**. **Sort** them by **CountryName** in **ascending** order.

### Example

|  |  |
| --- | --- |
| **CountryName** | **RiverName** |
| Algeria | Niger |
| Angola | Congo |
| Benin | Niger |
| Botswana | NULL |
| Burkina Faso | Niger |