

 Prosimy zainstalować DBeaver pod linkiem: <https://dbeaver.io/>, zaimportować plik z Bazą danych do DBeaver.

Plik Bazy danych znajduje się pod linkiem:

https://drive.google.com/drive/folders/1ONca4Mu6Pvm9dSTg-Cu8beQkf4-Gl0wO?usp=share_link

1. Proszę wybrać pracowników z Tabeli employees i uporządkować ich według daty zatrudnienia (hire_date) w kolejności malejącej.
2. W wynikach proszę wyświetlić identyfikator (employee_no), imię (first_name), nazwisko (last_name) oraz datę zatrudnienia (hire_date).
3. Proszę wybrać pracowników z Tabeli employees, którzy są urodzeni po 1960 roku (włącznie).
4. W wynikach proszę pokazać imię (first_name), nazwisko (last_name) datę urodzenia (birth_date).
5. Proszę wybrać pracowników z Tabeli employees, których imię zaczyna się od «Ma».
6. W wynikach proszę pokazać imię (first_name), nazwisko (last_name) oraz datę urodzenia (birth_date).
7. Proszę wybrać identyfikator pracowników z Tabeli employee Territories, którzy mieszkają w Kijowie, Dnieprze i Lwowie.
8. W wynikach proszę pokazać identyfikator (employee_no) oraz miasto (city).
9. Proszę wyświetlić liczbę pracowników dla każdego miasta z Tabeli employee Territories. Uwzględnij tylko miasta zatrudniające ponad 10 pracowników.
10. W wynikach proszę wyświetlić liczbę pracowników i nazwę miasta.
11. Proszę wybrać imię i nazwisko pracowników, ich stanowiska w firmie.
12. Wyświetl imię (first_name), nazwisko (last_name) oraz stanowisko (title) za pomocą obu Tabel employees i titles.

1)

DBaiver 23.2.4 - <dbeaver.sqlite.sqlite> Script

File Edit Navigate Search SQL Editor Database Window Help

SQL Commit Rollback Auto dbeaver.sqlite.sqlite <N/A>

Database Navigator Projects

Enter a part of object name here

dbeaver.sqlite.sqlite

- Tables
 - employees
 - employeeTerritories
 - salaries
 - titles
- Views
- Indexes
- Sequences
- Table Triggers
- Data Types

employees

```
SELECT employee no first name last name hire date FROM employees ORDER BY hire date DESC;
```

employees 1

SELECT employee no, first name

Enter a SQL expression to filter results (use Ctrl+Space)

	employee no	first name	last name	hire date
1	10,019	Lillian	Haddadi	1999-04-30
2	10,024	Suzette	Pettey	1997-05-19
3	10,084	Tuval	Kalloufi	1995-12-15
4	10,022	Shahaf	Famili	1995-08-22
5	10,026	Yongqiao	Bertziss	1995-03-20
6	10,054	Mayumi	Schueller	1995-03-13
7	10,016	Kazuhito	Cappelletti	1995-01-27
8	10,008	Saniya	Kalloufi	1994-09-15
9	10,044	Mingsen	Casley	1994-05-21
10	10,085	Kenroku	Malabarba	1994-04-09

Value X

10019

Refresh Save Cancel Export data 200

89 row(s) fetched - 2ms (1ms fetch), on 2023-11-16 at 16:40:52

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2)

DBeaver 23.2.4 - <dbeaver.sqlite.sqlite> Script

File Edit Navigate Search SQL Editor Database Window Help

SQL Commit Rollback Auto dbeaver.sqlite.sqlite <N/A>

Database Navigator Projects

Enter a part of object name here

- dbeaver.sqlite.sqlite
 - Tables
 - employees
 - employeeTerritories
 - salaries
 - titles
 - Views
 - Indexes
 - Sequences
 - Table Triggers
 - Data Types

employees *<dbeaver.sqlite.sqlite> Script X

```
SELECT first name last name birth date FROM employees WHERE birth date >= "1960-01-01"
```

employees 1 X

SELECT first_name last_name birth_date Enter a SQL expression to filter results (use Ctrl+Space)

	first_name	last_name	birth_date
1	Bezael	Simmel	1964-06-02
2	Duangkaew	Piveteau	1963-06-01
3	Patricio	Bridgland	1960-10-04
4	Eberhardt	Terkki	1963-06-07
5	Kazuhito	Cappelletti	1961-05-02
6	Ramzi	Erde	1960-02-20
7	Divier	Reistad	1962-07-10
8	Domenick	Tempesti	1963-11-26
9	Jeong	Reistad	1960-08-09
10	Bader	Swan	1962-12-29

Value X Bezael

Refresh Save Cancel Export data 200

34 row(s) fetched - 1ms, on 2023-11-16 at 18:31:45

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3)

The screenshot displays the DBeaver 23.2.4 interface. The top menu bar includes File, Edit, Navigate, Search, SQL Editor, Database, Window, and Help. The toolbar contains icons for various database operations. The left sidebar shows the Database Navigator with a tree view of the 'dbeaver.sqlite.sqlite' database, including Tables (employees, employeeTerritories, salaries, titles), Views, Indexes, Sequences, Table Triggers, and Data Types. The main SQL Editor window shows the following query:

```
SELECT first_name last_name birth_date FROM employees WHERE first_name LIKE "Ma%"
```

The query results are displayed in a table with 5 rows. The first row is highlighted in purple. The table has columns: first_name, last_name, and birth_date. The results are:

	first_name	last_name	birth_date
1	Mary	Sluis	1953-11-07
2	Mayuko	Warwick	1952-12-24
3	Magy	Stamatiou	1956-02-26
4	Mayumi	Schueller	1957-04-04
5	Margareta	Bierman	1960-09-06

The bottom status bar indicates '5 row(s) fetched - 1ms, on 2023-11-16 at 18:34:55'. The interface also includes a 'Project - General' tab and a 'Name' field with a 'DataSource' dropdown.

4)

DBeeer 23.2.4 - <dbeaver.sqlite.sqlite> Script

File Edit Navigate Search SQL Editor Database Window Help

SQL Commit Rollback Auto dbeaver.sqlite.sqlite < N/A >

Database Navigator Projects

Enter a part of object name here

- dbeaver.sqlite.sqlite
 - Tables
 - employees
 - employeeTerritories
 - salaries
 - titles
 - Views
 - Indexes
 - Sequences
 - Table Triggers
 - Data Types

employees *<dbeaver.sqlite.sqlite> Script X

```
SELECT employee no city FROM employeeTerritories WHERE city IN ('Kyiv', 'Dnipro', 'Lviv')
```

employeeTerritories 1 X

SELECT employee no, city FROM em Enter a SQL expression to filter results (use Ctrl+Space)

	employee_no	city
1	10,002	Dnipro
2	10,004	Dnipro
3	10,005	Kyiv
4	10,006	Lviv
5	10,007	Kyiv
6	10,009	Dnipro
7	10,014	Dnipro
8	10,016	Kyiv
9	10,018	Dnipro
10	10,020	Lviv

Value X

Edit value: 10002

Dictionary employees: (Define Description)

Type part of dictionary value to search

Value	Description
10002	Bezael

Refresh Save Cancel Export data 200

34 row(s) fetched - 1ms, on 2023-11-16 at 18:42:11

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5)

DBEAVER 23.2.4 - <dbeaver.sqlite.sqlite> Script

File Edit Navigate Search SQL Editor Database Window Help

SQL Commit Rollback Auto dbeaver.sqlite.sqlite <N/A>

Database Navigator Projects

Enter a part of object name here

- dbeaver.sqlite.sqlite
 - Tables
 - employees
 - employeeTerritories
 - salaries
 - titles
 - Views
 - Indexes
 - Sequences
 - Table Triggers
 - Data Types

employees *<dbeaver.sqlite.sqlite> Script X

```
SELECT COUNT(employee_no), city FROM employeeTerritories
GROUP BY city
HAVING COUNT(employee_no) > 10;
```

employeeTerritories 1 X

SELECT COUNT(employee_no), city FROM employeeTerritories

	COUNT(employee_no)	city
1	18	Dnipro
2	17	Kharkiv
3	11	Odessa

Value X 18

Project - General X

Name DataSource

- Bookmarks
- Diagrams
- Scripts

Refresh Save Cancel Export data 200

3 row(s) fetched - 2ms (1ms fetch), on 2023-11-16 at 18:44:08

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6)

DBaver 23.2.4 - <dbeaver.sqlite.sqlite> Script

File Edit Navigate Search SQL Editor Database Window Help

SQL Commit Rollback Auto dbeaver.sqlite.sqlite <N/A>

Database Navigator Projects

Enter a part of object name here

- dbeaver.sqlite.sqlite
 - Tables
 - employees
 - employeeTerritories
 - salaries
 - titles
 - Views
 - Indexes
 - Sequences
 - Table Triggers
 - Data Types

employees *<dbeaver.sqlite.sqlite> Script X

```
SELECT employees.first_name, employees.last_name, titles.title
FROM employees
JOIN titles
ON employees.employee_no = titles.employee_no;
```

employees(+) 1 X

Enter a SQL expression to filter results (use Ctrl+Space)

	first_name	last_name	title
1	Georgi	Facello	Senior Engineer
2	Bezalel	Simmel	Staff
3	Parto	Bamford	Senior Engineer
4	Chirstian	Koblick	Engineer
5	Chirstian	Koblick	Senior Engineer
6	Kyoichi	Maliniak	Senior Staff
7	Kyoichi	Maliniak	Staff
8	Anneke	Preusig	Senior Engineer
9	Tzvetan	Zielinski	Senior Staff
10	Tzvetan	Zielinski	Staff

Value X

Georgi

Refresh Save Cancel Export data 200

134 row(s) fetched - 3ms (2ms fetch), on 2023-11-16 at 18:51:31

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