

1 Обрати працівників з таблиці employees і відсортувати їх по даті найму (hire\_date) за спаданням. Обрати айді (employee\_no), ім'я (first\_name), прізвище (last\_name) та дату найму (hire\_date).

The screenshot shows the DBeaver interface with the following details:

- Toolbar:** File, Edit, Navigate, Search, SQL Editor, Database, Window, Help.
- Database Navigator:** Shows the database structure with tables like employees, employeeTerritories, salaries, titles, etc.
- SQL Editor:** Contains the query: `SELECT employee_no , first_name , last_name , hire_date FROM employees ORDER BY hire_date DESC`.
- Results Grid:** Displays the sorted data from the employees table. The columns are employee\_no, first\_name, last\_name, and hire\_date. The data includes rows 1 through 9, with the first row being Lillian Haddadi (hire date 1999-04-30).
- Status Bar:** Shows the number of rows fetched (88), the time taken (1ms), and the date (2023-08-17 at 13:24:58).

2 Обрати працівників з таблиці employees, які народилися після 1960 року (включно). Обрати ім'я (first\_name), прізвище (last\_name) та дату народження (birth\_date).

The screenshot shows the DBeaver interface with the following details:

- Toolbar:** File, Edit, Navigate, Search, SQL Editor, Database, Window, Help.
- Database Navigator:** Shows the database structure with tables like employees, employeeTerritories, salaries, titles, etc.
- SQL Editor:** Contains the query: `SELECT first_name , last_name , birth_date FROM employees WHERE birth_date >= "1960-01-01"`.
- Results Grid:** Displays the data for employees born after 1960. The columns are first\_name, last\_name, and birth\_date. The data includes rows 1 through 9, with the first row being Bezalel Simmel (birth date 1964-06-02).
- Status Bar:** Shows the number of rows fetched (33), the time taken (0ms), and the date (2023-08-17 at 13:27:33).

3 Оберіть працівників з таблиці employees, ім'я яких починається на «Ма». Оберіть ім'я (first\_name), прізвище (last\_name) та дату народження (birth\_date).

The screenshot shows the DBeaver interface with the following details:

- Database Navigator:** Shows the database structure with tables like employees, employeeTerritories, salaries, titles, Views, Indexes, Sequences, Table Triggers, and Data Types.
- Script Editor:** Contains the SQL query: `SELECT first_name ,last_name ,birth_date FROM employees where first_name LIKE "Ma_%"`.
- Results Grid:** Displays the results of the query, showing 5 rows of data:

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

Below the grid, it says "5 row(s) fetched - 3ms, on 2023-08-17 at 13:30:06".

4 Обрати айді працівників з таблиці employeeTerritories які проживають у Києві, Дніпрі та Львові. Обрати айді (employee\_no) та місто (city).

The screenshot shows the DBeaver interface with the following details:

- Database Navigator:** Shows the database structure with tables like employees, employeeTerritories, salaries, titles, Views, Indexes, Sequences, Table Triggers, and Data Types.
- Script Editor:** Contains the SQL query: `SELECT employee_no,city FROM employeeTerritories WHERE city IN ( "Kyiv","Dnipro","Lviv")`.
- Results Grid:** Displays the results of the query, showing 34 rows of data:

	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
...		

Below the grid, it says "34 row(s) fetched - 0ms, on 2023-08-17 at 13:36:21".

5 Порахувати кількість працівників з таблиці titles які займають позицію (title) - "Engineer".

Результатуєй колонці присвоїти назву "total engineers"

The screenshot shows the DBeaver interface with the following details:

- Database Navigator:** Shows the schema with tables: employees, employeeTerritories, salaries, titles, Views, Indexes, Sequences, Table Triggers, and Data Types.
- SQL Editor:** Contains the query: `SELECT COUNT(*) AS "total engineers" from titles t WHERE title = 'Engineer'`.
- Results Grid:** Displays the result of the query: 161 rows.
- Project - General:** Shows a single DataSource entry.

	total engineers
1	161

Message at the bottom: "... 1 row(s) fetched - 0ms, on 2023-08-17 at 13:46:41"

6 Вивести кількість працівників для кожного міста з таблиці employeeTerritories. Включайте лише міста, у яких більше ніж 10 працівників. Вивести кількість працівників і назву міста.

The screenshot shows the DBeaver interface with the following details:

- Database Navigator:** Shows the schema with tables: employees, employeeTerritories, salaries, titles, Views, Indexes, Sequences, Table Triggers, and Data Types.
- SQL Editor:** Contains the query: `SELECT city ,COUNT(*)as employee_count from employeeTerritories GROUP BY city HAVING employee_count > 10`.
- Results Grid:** Displays the result of the query: 3 rows.
- Project - General:** Shows a single DataSource entry.

	city	employee_count
1	Dnipro	18
2	Kharkiv	17
3	Odessa	11

Message at the bottom: "... 3 row(s) fetched - 2ms, on 2023-08-17 at 17:31:56"

7 Обрати ім'я та прізвища працівників, їх позиції у компанії. Вивести ім'я (first\_name), прізвище (last\_name) та позицію (title) використовуючи таблиці employees і titles.

DBeaver 23.1.4 - <dbeaver.sqlite.sqlite> Script-1.sql

<none> Script dbeaver.sqlite.sqlite\_ <dbeaver.sqlite.sqlite> Script-1.sql

```
SELECT e.first_name ,e.last_name ,t.title FROM employees e INNER JOIN titles t on e.employee_no = t.employee_no
```

	first_name	last_name	title
1	Georgi	Facello	Senior Engineer
2	Bezalel	Simmel	Staff
3	Parto	Bamford	Senior Engineer
4	Christian	Koblick	Engineer
5	Christian	Koblick	Senior Engineer
6	Kyochi	Malinak	Senior Staff
7	Kyochi	Malinak	Staff
8	Anneke	Preusig	Senior Engineer
9	Tsvetan	Zielinski	Senior Staff
10	Tsvetan	Zielinski	Staff
11	Saniya	Kalloufi	Assistant Engineer
12	Sumanth	Peac	Assistant Engineer

Project - General X

Name |DataSource

Bookmarks Diagrams Scripts

Record Grid Text

Refresh Save Cancel Export data 200 132

132 row(s) fetched - 2ms (1ms fetch), on 2023-08-17 at 17:41:43

CET en\_UA Writable Smart Insert 3 : 1 : 114 Sel: 0 | 0

8 Обрати ім'я та прізвища працівників, зарплатня яких буде від 50000 до 60000. Обрати ім'я (first\_name), прізвище (last\_name) та зарплатню (salary) використовуючи таблиці employees і salaries.

DBeaver 23.1.4 - <dbeaver.sqlite.sqlite> Script-1.sql

<none> Script dbeaver.sqlite.sqlite\_ <dbeaver.sqlite.sqlite> Script-1.sql

```
SELECT e.first_name ,e.last_name , s.salary FROM employees e INNER JOIN salaries s on e.employee_no = s.employee_no
where salary BETWEEN 50000 and 60000
```

	first_name	last_name	salary
1	Christian	Koblick	50,594
2	Christian	Koblick	52,119
3	Christian	Koblick	54,693
4	Christian	Koblick	58,326
5	Anneke	Preusig	52,255
6	Anneke	Preusig	53,747
7	Anneke	Preusig	56,032
8	Anneke	Preusig	58,299
9	Anneke	Preusig	59,755
10	Tsvetan	Zielinski	56,724
11	Saniya	Kalloufi	52,668
12	Mary	Sluis	50,927

Project - General X

DataSource

Bookmarks Diagrams Scripts

Record Grid Text

Refresh Save Cancel Export data 200 53

53 row(s) fetched - 8ms (1ms fetch), on 2023-08-17 at 17:39:30

CET en\_UA Writable Smart Insert 2 : 1 : 117 Sel: 0 | 0