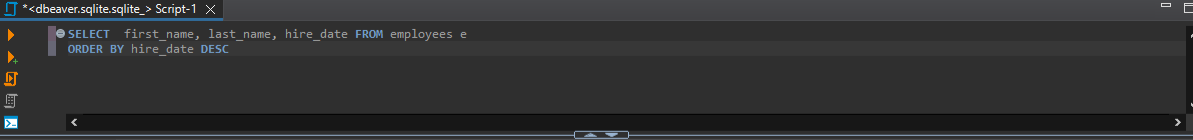


1. Обрати працівників з таблиці employees і відсортувати їх по даті найму (hire_date) за спаданням. Обрати айді (employee_no), ім'я (first_name), прізвище (last_name) та дату найму (hire_date).



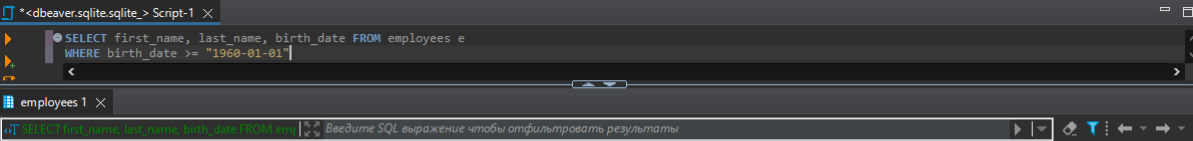
The screenshot shows the DBeaver SQL editor with the following query:

```
SELECT first_name, last_name, hire_date FROM employees e  
ORDER BY hire_date DESC
```

The results are displayed in a table with columns: first_name, last_name, hire_date. The data is sorted by hire_date in descending order.

first_name	last_name	hire_date
Lillian	Haddadi	1999-04-30
Suzette	Pettey	1997-05-19
Tuval	Kalloufi	1995-12-15
Shahaf	Famili	1995-08-22
Yongqiao	Bertziss	1995-03-20
Mayumi	Schuelller	1995-03-13
Kazuhiro	Cappelletti	1995-01-27
Saniya	Kalloufi	1994-09-15
Mingsen	Casley	1994-05-21
Kenroku	Malabarba	1994-04-09
Elvis	Demeyer	1994-02-17
Cristinel	Bouloucos	1993-08-03
Magy	Stamatiou	1993-03-21
Weiyi	Meriste	1993-02-14
Patricio	Bridgland	1992-12-18
Hidefumi	Caine	1992-10-15
Lucien	Rosenbaum	1992-06-20
Basil	Tramer	1992-05-04
Georgy	Dredge	1992-04-27

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).



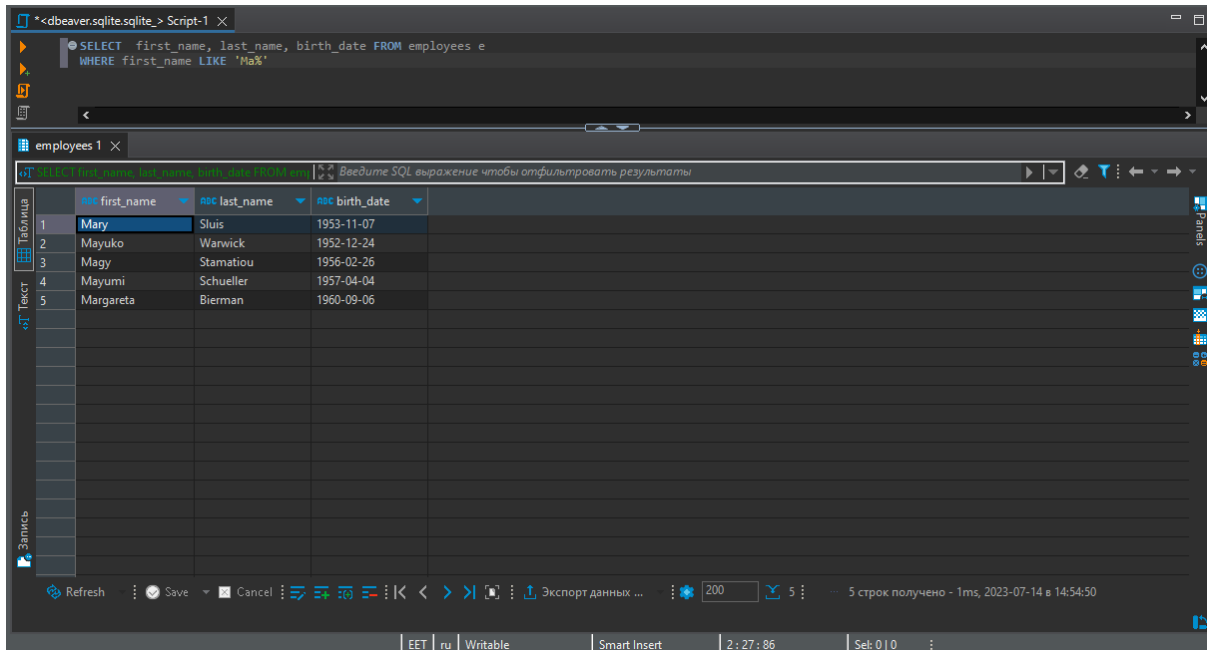
The screenshot shows the DBeaver SQL editor with the following query:

```
SELECT first_name, last_name, birth_date FROM employees e  
WHERE birth_date >= "1960-01-01"
```

The results are displayed in a table with columns: first_name, last_name, birth_date. The data is filtered to show only employees born on or after 1960-01-01.

first_name	last_name	birth_date
Bezalel	Simmel	1964-06-02
Duangkaew	Piveteau	1963-06-01
Patricio	Bridgland	1960-10-04
Eberhardt	Terlka	1963-06-07
Kazuhiro	Cappelletti	1961-05-02
Ramzi	Erde	1960-02-20
Divier	Reistad	1962-07-10
Domenick	Tempesti	1963-11-26
Jeong	Reistad	1960-08-09
Bader	Swan	1962-12-29
Pradeep	Makrucki	1963-07-22
Huan	Lortz	1960-07-20
Yishay	Tzvieli	1960-09-19
Mingsen	Casley	1961-09-21
Lucien	Rosenbaum	1960-07-23
Florian	Syrotyuk	1963-07-11
Basil	Tramer	1961-04-24
Heping	Nitsch	1961-02-26
Brendon	Bernini	1961-09-01
Breanna	Billingsley	1961-10-15
Tse	Herber	1962-10-19

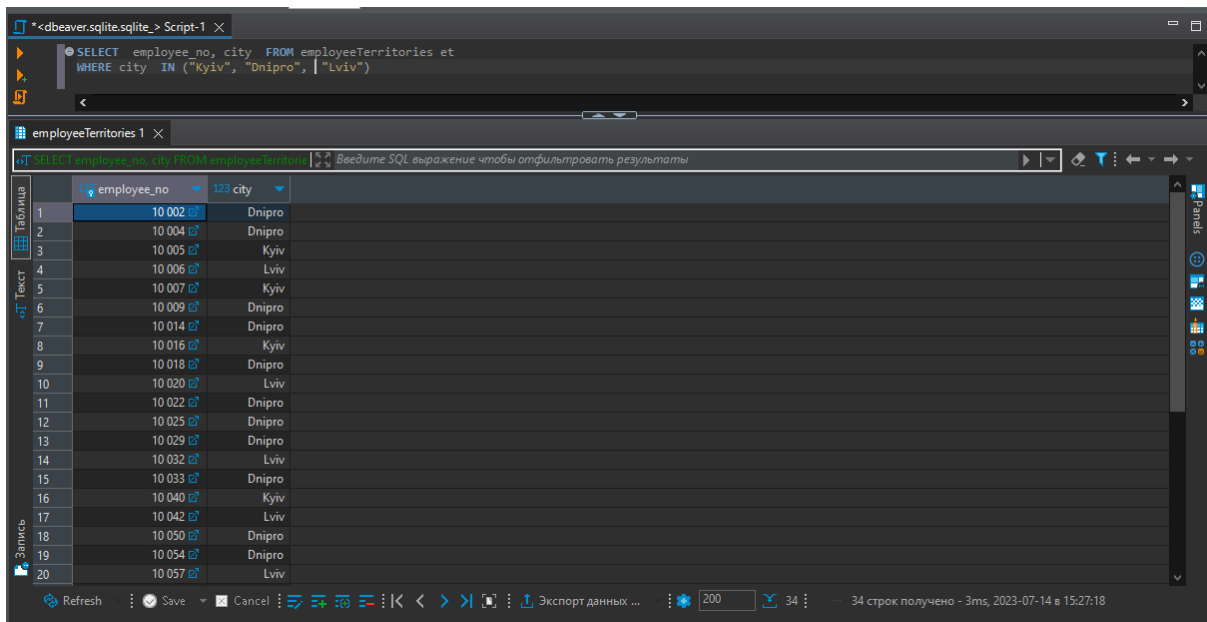
3. Оберіть працівників з таблиці employees, ім'я яких починається на «Ма». Оберіть ім'я (first_name), прізвище (last_name) та дату народження (birth_date).



The screenshot shows the DBeaver SQL client interface. The top panel displays the SQL query: `SELECT first_name, last_name, birth_date FROM employees e WHERE first_name LIKE 'Ma%'`. The bottom panel shows the results of the query in a table format. The table has three columns: first_name, last_name, and birth_date. The results are as follows:

first_name	last_name	birth_date
Mary	Sluis	1953-11-07
Mayuko	Warwick	1952-12-24
Magy	Stamatiou	1956-02-26
Mayumi	Schuessler	1957-04-04
Margareta	Bierman	1960-09-06

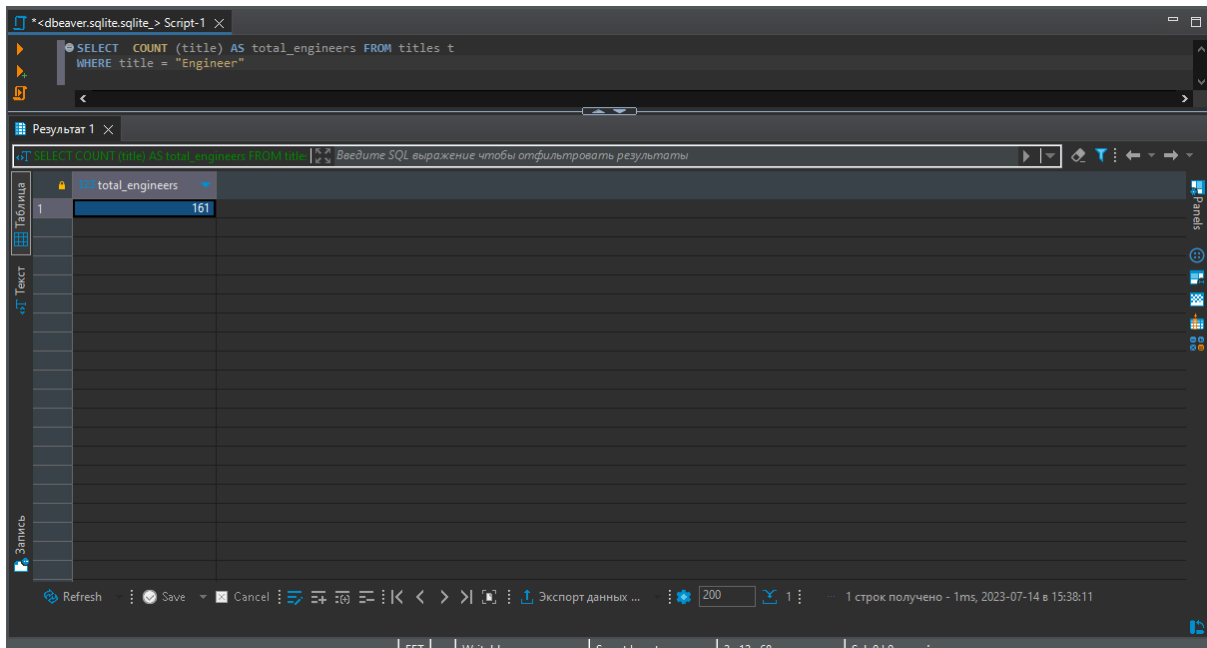
4. Обрати айді працівників з таблиці employeeTerritories які проживають у Києві, Дніпрі та Львові. Обрати айді (employee_no) та місто (city).



The screenshot shows the DBeaver SQL client interface. The top panel displays the SQL query: `SELECT employee_no, city FROM employeeTerritories et WHERE city IN ('Kyiv', 'Dnipro', 'Lviv')`. The bottom panel shows the results of the query in a table format. The table has two columns: employee_no and city. The results are as follows:

employee_no	city
10 002	Dnipro
10 004	Dnipro
10 005	Kyiv
10 006	Lviv
10 007	Kyiv
10 009	Dnipro
10 014	Dnipro
10 016	Kyiv
10 018	Dnipro
10 020	Lviv
10 022	Dnipro
10 025	Dnipro
10 029	Dnipro
10 032	Lviv
10 033	Dnipro
10 040	Kyiv
10 042	Lviv
10 050	Dnipro
10 054	Dnipro
10 057	Lviv

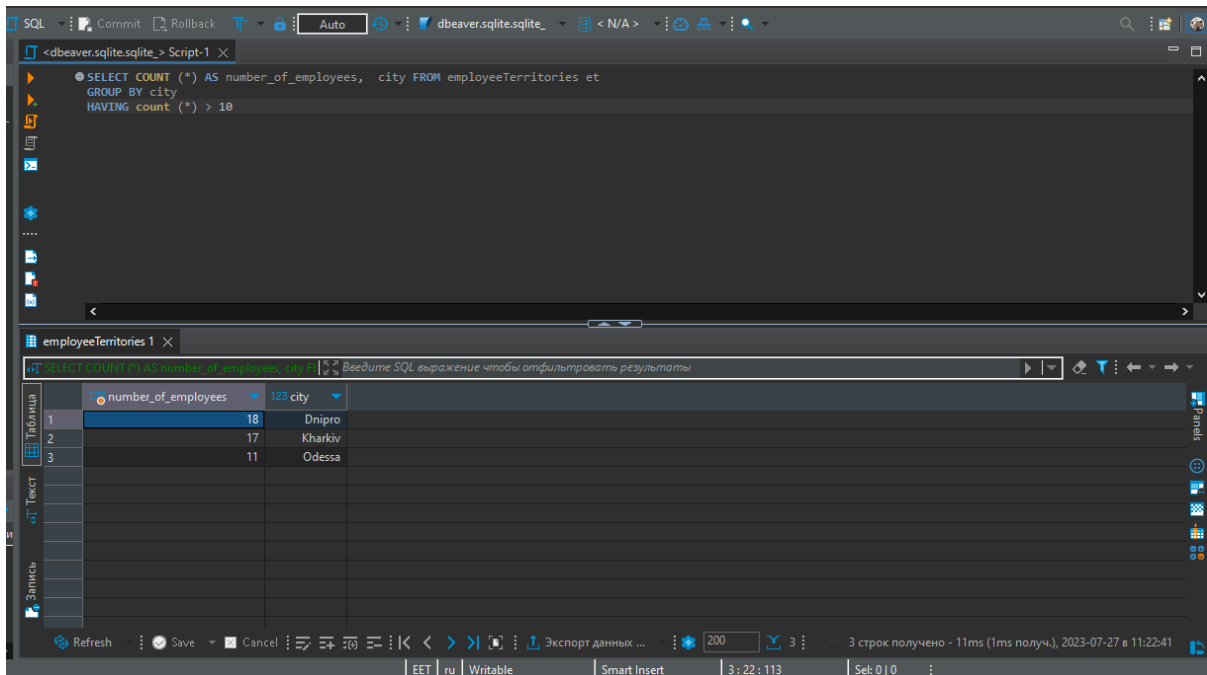
5. Порахувати кількість працівників з таблиці titles які займають позицію (title) - "Engineer". Результуючій колонці присвоїти назву "total engineers".



The screenshot shows the DBeaver SQL editor with a query to count the number of employees with the title 'Engineer'. The query is: `SELECT COUNT (title) AS total_engineers FROM titles t WHERE title = "Engineer"`. The result is displayed in a table with one row and one column, showing the value 161.

	total_engineers
1	161

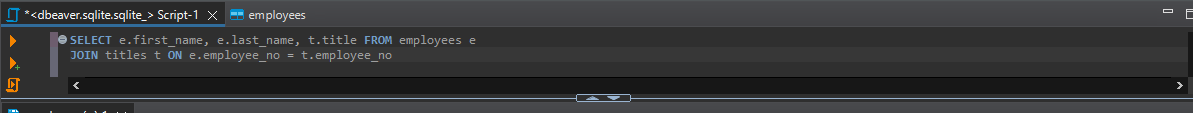
6. Вивести кількість працівників для кожного міста з таблиці employeeTerritories. Включаєте лише міста, у яких більше ніж 10 працівників. Вивести кількість працівників і назву міста.



The screenshot shows the DBeaver SQL editor with a query to count the number of employees by city, filtered by the number of employees. The query is: `SELECT COUNT (*) AS number_of_employees, city FROM employeeTerritories et GROUP BY city HAVING count (*) > 10`. The result is displayed in a table with three rows and two columns, showing the number of employees and the city name.

	number_of_employees	city
1	18	Dnipro
2	17	Kharkiv
3	11	Odessa

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.



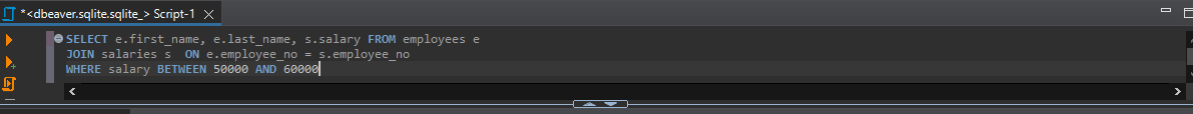
The screenshot shows the DBeaver SQL editor with a query window titled "Script-1" containing the following SQL statement:

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

Below the query window, the results are displayed in a table grid. The table has three columns: first_name, last_name, and title. The results are sorted by first_name in ascending order.

	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
11	Saniya	Kalloufi	Assistant Engineer
12	Sumant	Peac	Assistant Engineer
13	Sumant	Peac	Engineer
14	Sumant	Peac	Senior Engineer
15	Duangkaew	Privteau	Engineer
16	Mary	Sluis	Staff
17	Patricio	Bridgland	Engineer
18	Patricio	Bridgland	Senior Engineer
19	Eberhardt	Terkki	Senior Staff
20	Berni	Genin	Engineer
21	Guoxiang	Nooteboom	Senior Staff
22	Kazuhiro	Caopelletti	Staff

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.



The screenshot shows the DBeaver SQL editor with a query window titled "Script-1" containing the following SQL statement:

```
SELECT e.first_name, e.last_name, s.salary FROM employees e
JOIN salaries s ON e.employee_no = s.employee_no
WHERE salary BETWEEN 50000 AND 60000
```

Below the query window, the results are displayed in a table grid. The table has three columns: first_name, last_name, and salary. The results are sorted by first_name in ascending order.

	first_name	last_name	salary
1	Chirstian	Koblick	50 594
2	Chirstian	Koblick	52 119
3	Chirstian	Koblick	54 693
4	Chirstian	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	Tzvetan	Zielinski	56 724
11	Saniya	Kalloufi	52 668
12	Mary	Sluis	50 927
13	Mary	Sluis	51 470
14	Mary	Sluis	54 545
15	Mary	Sluis	56 753
16	Patricio	Bridgland	51 122
17	Patricio	Bridgland	54 794
18	Patricio	Bridgland	54 423
19	Eberhardt	Terkki	50 351
20	Eberhardt	Terkki	53 957