

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 21.0.0 interface. The SQL Editor at the top contains the query: `SELECT employee_no, first_name, last_name, hire_date FROM employees order by hire_date DESC`. The Database Navigator on the left shows the 'employees' table selected. The Results pane on the right displays a grid of data with columns: employee\_no, first\_name, last\_name, and hire\_date. The data is sorted by hire\_date in descending order. The first row is 10,019, Lillian, Haddadi, 1999-04-30. The status bar at the bottom indicates '89 row(s) fetched - 16ms (+1ms)'.

employee_no	first_name	last_name	hire_date
10,019	Lillian	Haddadi	1999-04-30
10,024	Suzette	Petty	1997-05-19
10,084	Tuval	Kalloufi	1995-12-15
10,022	Shahaf	Famili	1995-08-22
10,026	Yongqiao	Bertziss	1995-03-20
10,054	Mayumi	Schuessler	1995-03-13
10,016	Kazuhiro	Cappelletti	1995-01-27
10,008	Saniya	Kalloufi	1994-09-15
10,044	Mingsen	Casley	1994-05-21
10,085	Kenroku	Malabarba	1994-04-09
10,030	Elvis	Demeyer	1994-02-17
10,017	Cristinel	Bouloucos	1993-08-03
10,042	Magy	Stamatiou	1993-03-21
10,040	Weiyi	Meriste	1993-02-14
10,012	Patricio	Bridgland	1992-12-18
10,051	Hidefumi	Caine	1992-10-15
10,046	Lucien	Rosenbaum	1992-06-20
10,049	Basil	Tramer	1992-05-04
10,055	Georgy	Dredge	1992-04-27
10,057	Ebbe	Callaway	1992-01-15
10,036	Adamantios	Portugali	1992-01-03
10,073	Shir	McClurg	1991-12-01
10,028	Domenick	Tempesti	1991-10-22
10,031	Karsten	Joslin	1991-09-01
10,062	Anoosh	Peyn	1991-08-30
10,059	Alejandro	McAlpine	1991-06-26
10,020	Mayuko	Warwick	1991-01-26
10,050	Yinghua	Dredge	1990-12-25

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 21.0.0 interface. The SQL Editor at the top contains the query: `SELECT first_name, last_name, birth_date FROM employees where birth_date > '1960-01-01'`. The Database Navigator on the left shows the 'employees' table selected. The Results pane on the right displays a grid of data with columns: first\_name, last\_name, and birth\_date. The data is filtered to show employees born after January 1, 1960. The first row is Bezael, Simmel, 1964-06-02. The status bar at the bottom indicates '34 row(s) fetched - 2ms'.

first_name	last_name	birth_date
Bezael	Simmel	1964-06-02
Duangkaew	Piveteau	1963-06-01
Patricio	Bridgland	1960-10-04
Eberhardt	Terki	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	Syrotiuk	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
Anoosh	Peyn	1961-11-02
Satosi	Awdeh	1963-04-14
Charlene	Brattka	1962-11-26
Margareta	Bierman	1960-09-06
Gao	Dolinsky	1960-03-09

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 21.0.0 interface. The SQL Editor at the top contains the query: `SELECT first_name, last_name, birth_date FROM employees where first_name like 'Ma%'`. The Database Navigator on the left shows the 'employees' table selected. The Results window at the bottom displays the query results in a grid format. The first column is 'first\_name', the second is 'last\_name', and the third is 'birth\_date'. The results are filtered to show only employees whose first name starts with 'Ma'.

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

The status bar at the bottom indicates that 5 rows were fetched in 71ms.

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

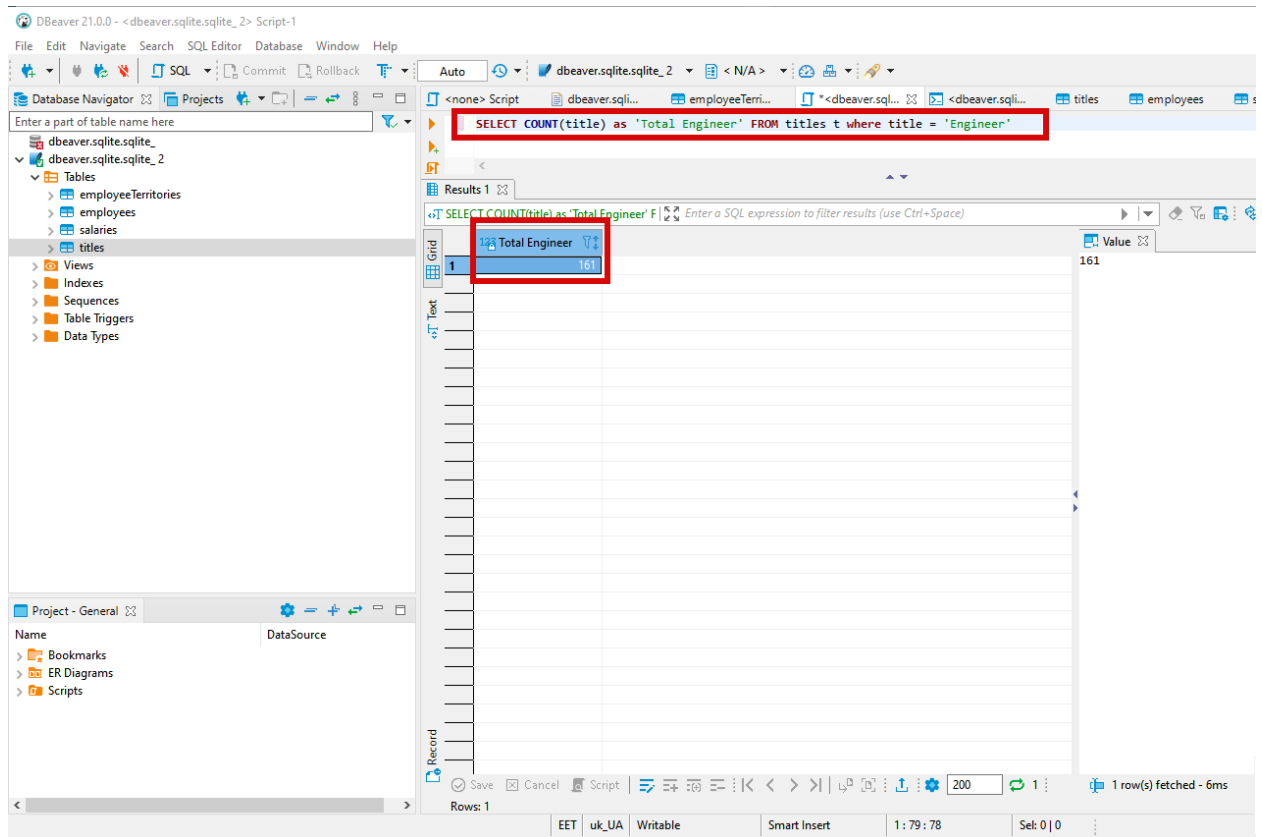
The screenshot shows the DBeaver 21.0.0 interface. The SQL Editor at the top contains the query: `SELECT employee_no, city FROM employeeTerritories where city = 'Kyiv' OR city = 'Dnipro' OR city = 'Lviv'`. The Results pane below shows a table with two columns: `employee_no` and `city`. The data is filtered to show only rows where the city is Kyiv, Dnipro, or Lviv. The status bar at the bottom indicates that 34 rows were fetched in 2ms.

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
10,059	Kyiv
10,060	Dnipro
10,064	Kyiv
10,067	Dnipro
10,068	Lviv
10,071	Dnipro
10,074	Kyiv
10,075	Dnipro

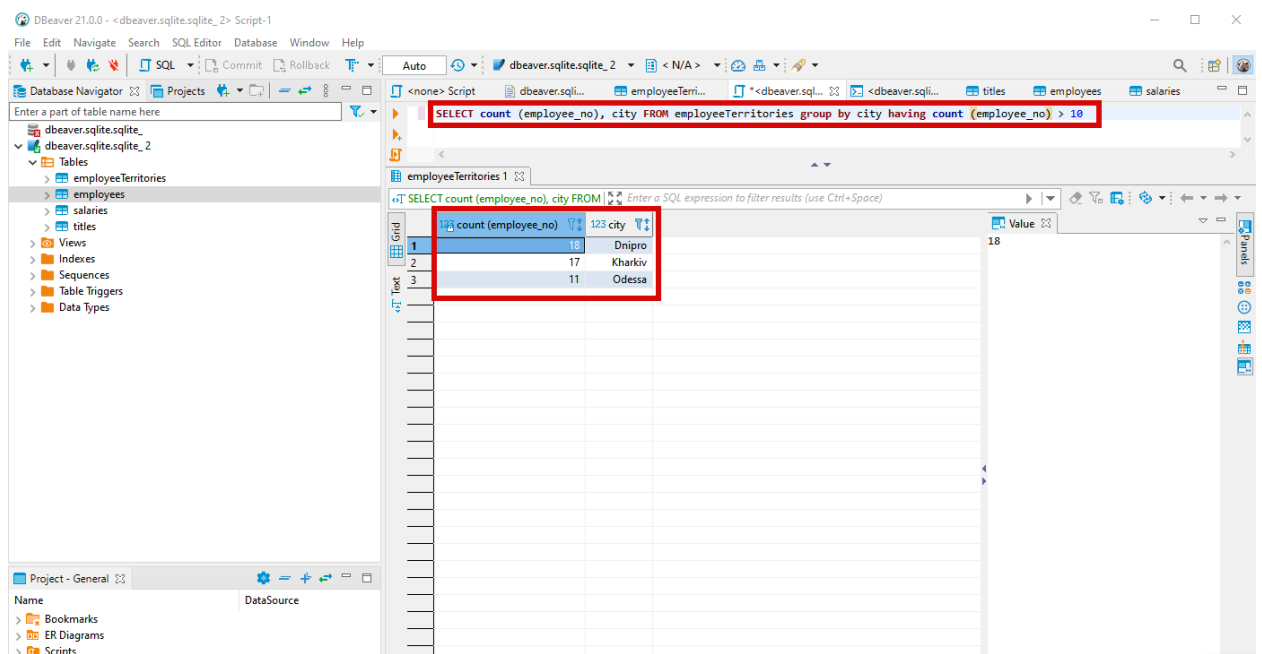
The screenshot shows the DBeaver 21.0.0 interface. The SQL Editor at the top contains the query: `SELECT employee_no, city FROM employeeTerritories where city IN ('Kyiv', 'Dnipro', 'Lviv')`. The Results pane below shows a table with two columns: `employee_no` and `city`. The data is filtered to show only rows where the city is Kyiv, Dnipro, or Lviv. The status bar at the bottom indicates that 34 rows were fetched in 1ms.

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
10,059	Kyiv
10,060	Dnipro
10,064	Kyiv
10,067	Dnipro
10,068	Lviv
10,071	Dnipro
10,074	Kyiv
10,075	Dnipro

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



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.



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 interface. The SQL Editor window contains the following query:

```
SELECT employees.first_name, employees.last_name, titles.title from employees join titles on employees.employee_no = titles.employee_no
```

The query is executed, and the results are displayed in a table grid. The table has three columns: first\_name, last\_name, and title. The results are as follows:

first_name	last_name	title
Georgi	Facello	Senior Engineer
Bezael	Simmel	Staff
Parto	Bamford	Senior Engineer
Chirstian	Koblick	Engineer
Chirstian	Koblick	Senior Engineer
Kyoichi	Maliniak	Senior Staff
Kyoichi	Maliniak	Staff
Anneke	Preusig	Senior Engineer
Tzvetan	Zielinski	Senior Staff
Tzvetan	Zielinski	Staff
Saniya	Kalloufi	Assistant Engineer
Sumant	Peac	Assistant Engineer
Sumant	Peac	Engineer
Sumant	Peac	Senior Engineer
Duangkaew	Piveteau	Engineer
Mary	Sluis	Staff
Patricio	Bridgland	Engineer
Patricio	Bridgland	Senior Engineer
Eberhardt	Terkki	Senior Staff
Berni	Genin	Engineer
Guoxiang	Nooteboom	Senior Staff
Kazuhiro	Cappelletti	Staff
Cristinel	Bouloucos	Senior Staff
Cristinel	Bouloucos	Staff
Kazuhide	Peha	Engineer
Kazuhide	Peha	Senior Engineer
Lillian	Haddadi	Staff
Mayuko	Wanwick	Engineer
Ramzi	Erde	Technique Leader
Shahaf	Famili	Engineer

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 interface. The SQL Editor window contains the following query:

```
SELECT employees.first_name, employees.last_name, salaries.salary from employees join salaries on employees.employee_no = salaries.employee_no
```

The query is executed, and the results are displayed in a table grid. The table has three columns: first\_name, last\_name, and salary. The results are as follows:

first_name	last_name	salary
Georgi	Facello	60,117
Georgi	Facello	62,102
Georgi	Facello	66,074
Georgi	Facello	66,596
Georgi	Facello	66,961
Georgi	Facello	71,046
Georgi	Facello	74,333
Georgi	Facello	75,286
Georgi	Facello	75,994
Georgi	Facello	76,884
Georgi	Facello	80,013
Georgi	Facello	81,025
Georgi	Facello	81,097
Georgi	Facello	84,917
Georgi	Facello	85,112
Georgi	Facello	85,097
Georgi	Facello	88,958
Bezael	Simmel	65,828
Bezael	Simmel	65,909
Bezael	Simmel	67,534
Bezael	Simmel	69,366
Bezael	Simmel	71,963
Bezael	Simmel	72,527
Parto	Bamford	40,006
Parto	Bamford	43,616
Parto	Bamford	43,466
Parto	Bamford	43,636
Parto	Bamford	43,478
Parto	Bamford	43,699
Parto	Bamford	43,311