

### **Image 1 – Query: Sort employees by hire date descending**

**File:** tema 12 - 1.png

**Summary:** This query selects employees ordered by their hire date in descending order.

**Details:**

- **Action:** `SELECT employee_no, first_name, last_name, hire_date`
- **Table:** `employees`
- **Clause:** `ORDER BY hire_date DESC`
- **Purpose:** Display who was hired most recently

### **Image 2 – Query: Employees born after 1960**

**File:** tema 12 - 2.png

**Summary:** This query selects employees born after or in 1960.

**Details:**

- **Action:** `SELECT first_name, last_name, birth_date`
- **Table:** `employees`
- **Condition:** `birth_date > '1959-12-31'`
- **Goal:** List employees born from 1960 onward

### **Image 3 – Query: Last names starting with "Ma"**

**File:** tema 12 - 3.png

**Summary:** Filters employees whose last name starts with “Ma”.

**Details:**

- **Action:** `SELECT first_name, last_name, birth_date`
- **Table:** `employees`
- **Condition:** `last_name LIKE 'Ma%'`
- **Result:** Finds names like “Martin”, “Marin”, etc.

#### Image 4 – Query: Employees in Kyiv, Dnipro, Lviv

File: tema 12 - 4.png

Summary: Finds employees from specific cities.

##### Details:

- Action: `SELECT employee_no, city`
- Table: `employeeTerritories`
- Condition: `city IN ('Kyiv', 'Dnipro', 'Lviv')`
- Goal: Focuses on employees from selected urban areas

#### Image 5 – Query: Count engineers

File: tema 12 - 5.png

Summary: Counts how many employees have the job title “Engineer”.

##### Details:

- Action: `SELECT COUNT(*) AS total_engineers`
- Table: `titles`
- Condition: `WHERE title = 'Engineer'`
- Output: Returns a single number in the column `total_engineers`

#### Image 6 – Query: Cities with more than 10 employees

File: tema 12 - 6.png

Summary: Lists cities with more than 10 employees.

##### Details:

- Action: `SELECT city, COUNT(employee_no)`
- Table: `employeeTerritories`
- Group: `GROUP BY city`
- Filter: `HAVING COUNT(employee_no) > 10`
- Use case: Useful for identifying populated branches

### Image 7 – Query: Join employees with titles

File: tema 12 - 7.png

Summary: Shows employee names and their titles.

#### Details:

- **Action:** `SELECT first_name, last_name, title`
- **Tables:** `employees, titles`
- **Join:** `ON employees.employee_no = titles.employee_no`
- **Purpose:** Combines personal info with job titles

### Image 8 – Query: Employees with salary 50k–60k

File: tema 12 - 8.png

Summary: Lists employees with salaries between 50,000 and 60,000.

#### Details:

- **Action:** `SELECT first_name, last_name, salary`
- **Tables:** `employees, salaries`
- **Join:** `ON employees.employee_no = salaries.employee_no`
- **Condition:** `salary BETWEEN 50000 AND 60000`

### Image 9 – Insert new employee

File: tema 12 - 9a.png

Summary: A new employee named Adrian Pasniciuc is inserted into the database.

#### Details:

- **Action:** `INSERT INTO employees`
- **Values:** `('12345', '1989-11-09', 'Adrian', 'Pasniciuc', 'M', '2024-08-31')`
- **Confirmation:** Insert succeeded with 1 row added

### Image 10 – Adrian appears in the table

File: [tema 12 - 9b.png](#)

**Summary:** The employee [Adrian Pasniciuc](#) now shows up at the bottom of the employees table.

**Details:**

- **Location:** Last row of the table
- **Details:** [employee\\_no = 12345](#), gender M, birth date and hire date are correct

### Image 11 – Delete command run

File: [tema 12 - 10a.png](#)

**Summary:** The employee Adrian was deleted from the database.

**Details:**

- **Query:** [DELETE FROM employees WHERE employee\\_no = '12345';](#)
- **Result:** 1 row deleted successfully

### Image 12 – Adrian is no longer present

File: [tema 12 - 10b.png](#)

**Summary:** Adrian's entry is now removed from the employees table.

**Details:**

- **Confirmation:** No employee with [employee\\_no = 12345](#) exists
- **Status:** Database is clean and reflects deletion