

LU07.S04 - DELETE

A: Delete on one row

Sarah Johnson has left the company and is therefore to be deleted from the table. Formulate the according DML DELETE statement.

```
DELETE FROM employees
WHERE name = 'Sarah'
AND surname = 'Johnson';
```

Alternatively, the commands is likewise possible with using the employee_id.

```
DELETE FROM employees
WHERE employee_id = 4;
```

The screenshot shows a SQL playground interface with two versions of a DELETE statement. A red arrow points to the first version, which uses name and surname for filtering. Below the code, the 'Output' tab shows the 'hr_database.employees' table with 29 rows. A red arrow points to the row with employee_id 5 (Chris Williams), which is the row that would be deleted by the second version of the statement.

```
94 DELETE FROM employees -- Version 1
95 WHERE name = 'Sarah'
96 AND surname = 'Johnson';
97
98 DELETE FROM employees -- Version 2
99 WHERE employee_id = 4;
100
101 ✓ select * FROM employees;
```

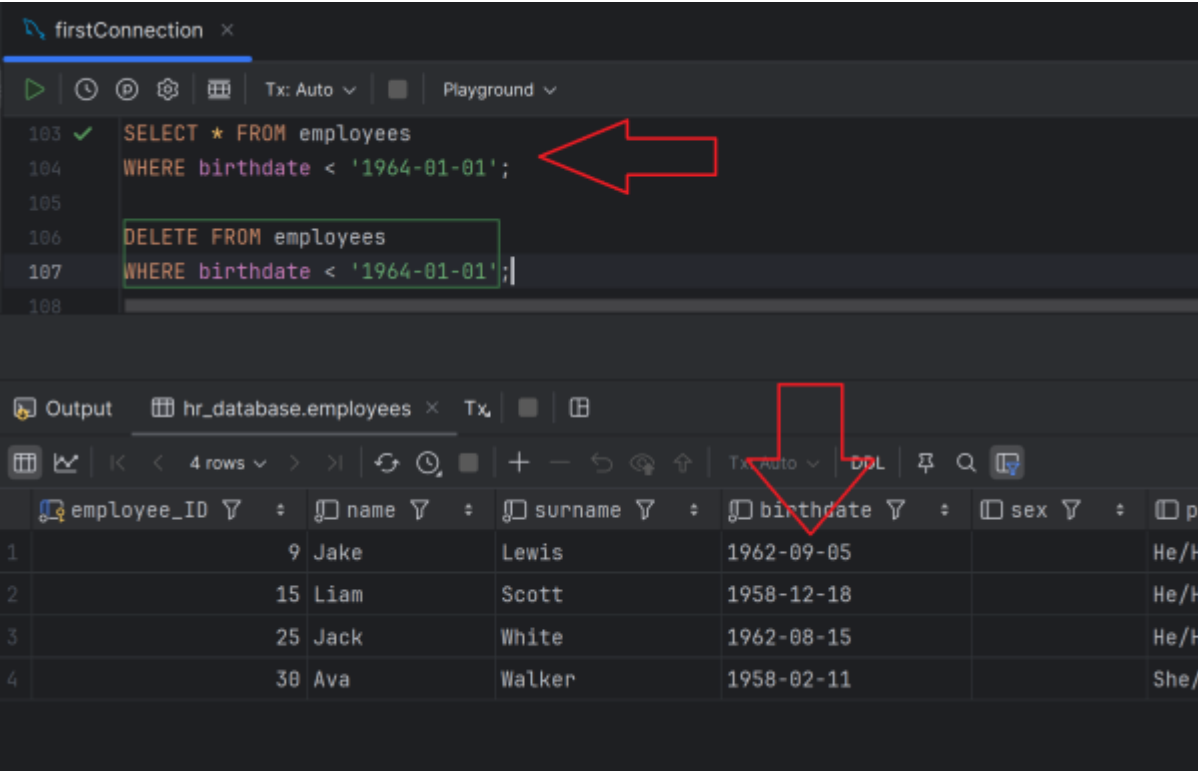
| employee_ID | name | surname | birthdate | sex | pronomen |
|-------------|-------|----------|------------|-----|----------|
| 1 | John | Doe | 1985-03-25 | | He/Him |
| 2 | Jane | Smith | 1990-07-19 | | She/Her |
| 3 | Mike | Brown | 1982-11-02 | | He/Him |
| 4 | Chris | Williams | 1987-04-11 | | He/Him |
| 5 | Anna | Lee | 1993-12-01 | | She/Her |
| 6 | David | Kim | 1989-10-22 | | He/Him |

B: Delete of multiple rows

It is common, that we retire when reaching a certain age. Remove all date from individuals who are older than 60 from the employees table.

Hint: Before performing the deletion, make sure that you got the right resultset.

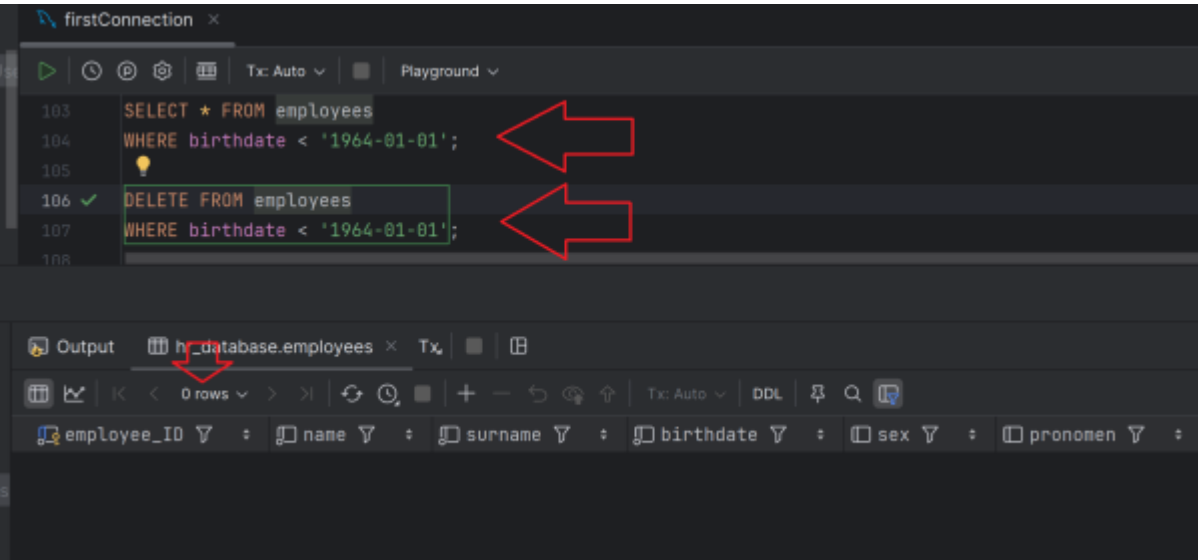
Content of the table before deleting the concerned resultset:



```
SELECT * FROM employees
WHERE birthdate < '1964-01-01';
```

```
DELETE FROM employees
WHERE birthdate < '1964-01-01';
```

The result is visible in the next image below:



Vocabulary

| English | German |
|---------|--------|
| ... | ... |



Volkan Demir

From:

<https://wiki.bzz.ch/> - **BZZ - Modulwiki**

Permanent link:

<https://wiki.bzz.ch/modul/m290/learningunits/lu07/loesungen/l04?rev=1727776807>

Last update: **2024/10/01 12:00**

