

LU08.A04 - DELETE

Requirements

- Work type: Individual
- Timeframe: 15 Minutes
- Means of aid:
 - Only teaching materials, no websearch, no use of ai.
- Expected Result: Specific employees are deleted from the table 'employees'

Assignments

After selecting data in assignment A1 and updating it in A2, it is about time to turn to how to delete data from the table.

A: Delete of 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. The top panel contains two SQL queries:
Version 1: `DELETE FROM employees WHERE name = 'Sarah' AND surname = 'Johnson';`
Version 2: `DELETE FROM employees WHERE employee_id = 4;`
Below the queries, a table view for `hr_database.employees` is displayed, showing 29 rows. The table has columns: `employee_ID`, `name`, `surname`, `birthdate`, `sex`, and `pronomen`. The data is as follows:

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:

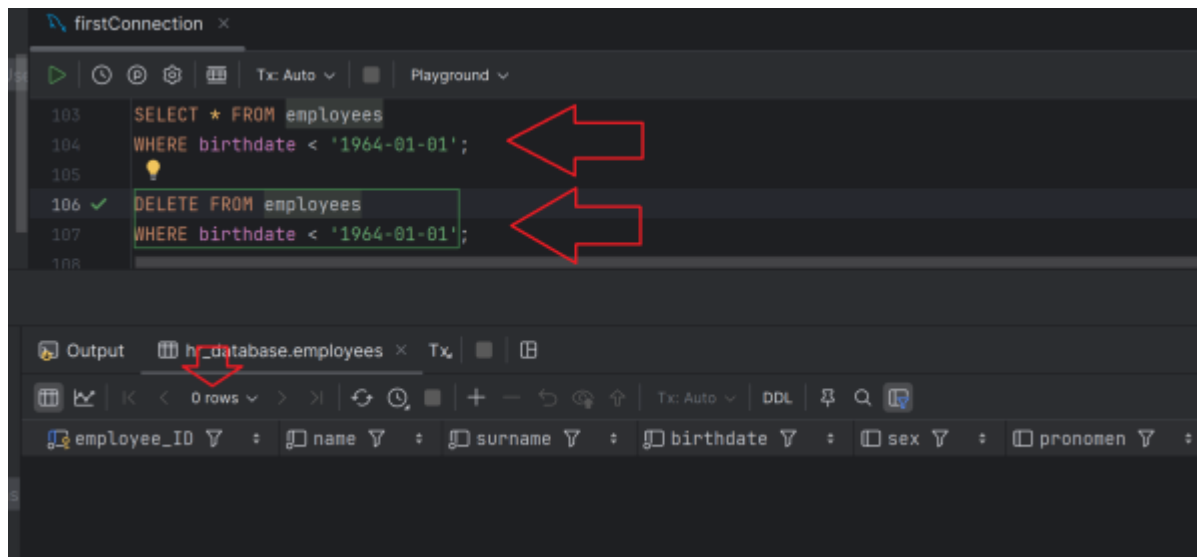
The screenshot shows a SQL playground interface. The top panel contains two SQL queries:
Query 1: `SELECT * FROM employees WHERE birthdate < '1964-01-01';`
Query 2: `DELETE FROM employees WHERE birthdate < '1964-01-01';`
Below the queries, a table view for `hr_database.employees` is displayed, showing 4 rows. The table has columns: `employee_ID`, `name`, `surname`, `birthdate`, `sex`, and `pronomen`. The data is as follows:

employee_ID	name	surname	birthdate	sex	pronomen
9	Jake	Lewis	1962-09-05		He/H
15	Liam	Scott	1958-12-18		He/H
25	Jack	White	1962-08-15		He/H
30	Ava	Walker	1958-02-11		She/

```
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:



Solution

Lösung

Vocabulary

English	German
...	...



Volkan Demir

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

Permanent link:
<https://wiki.bzz.ch/en/modul/m290/learningunits/lu07/aufgaben/04>

Last update: **2024/10/17 13:47**

