

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;
```

```
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:

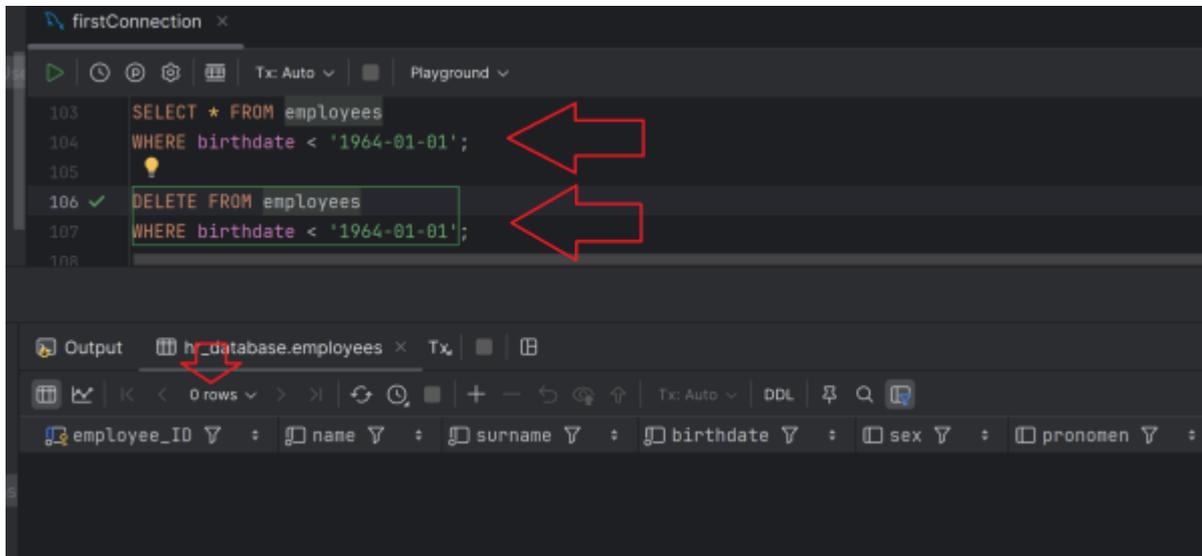
```
103 ✓ SELECT * FROM employees
104 WHERE birthdate < '1964-01-01';
105
106 DELETE FROM employees
107 WHERE birthdate < '1964-01-01';
108
```

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

```
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
...	...



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