

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.

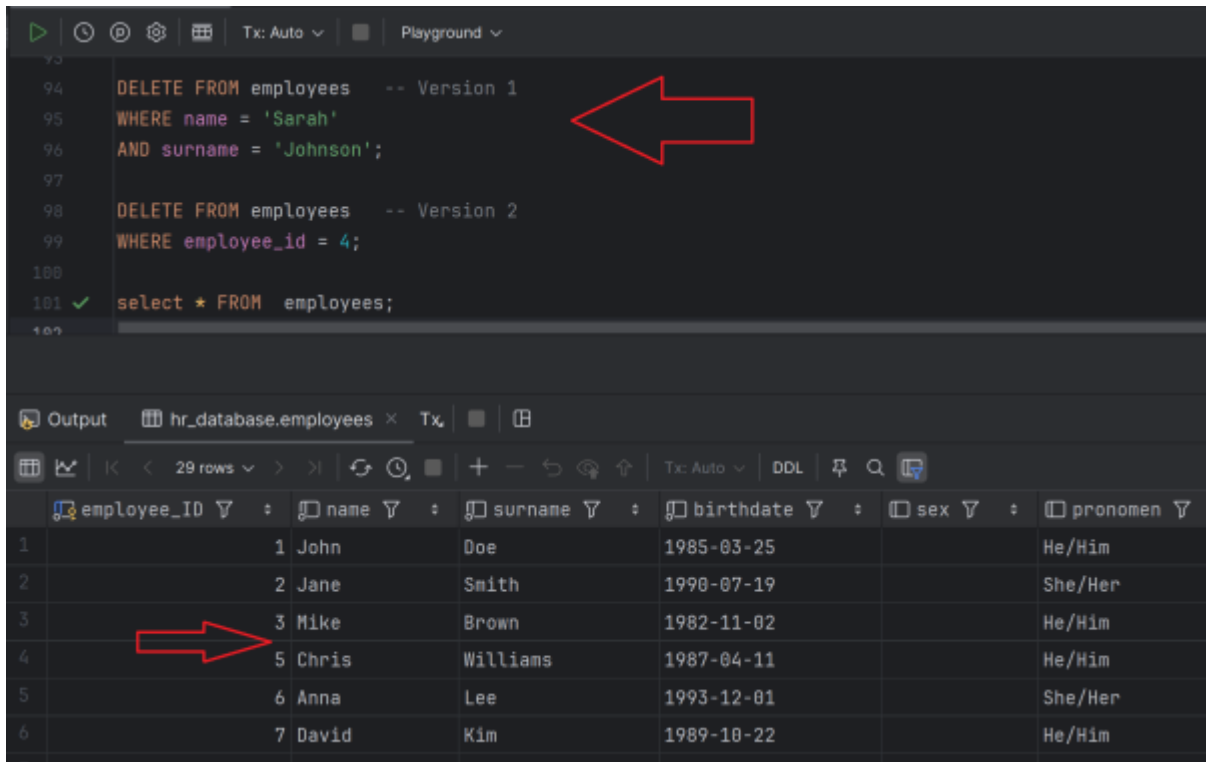
A: Delete of one row

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 IDE with two versions of a DELETE query. A red arrow points to the first query, which filters by name and surname. The second query filters by employee_id. Below the queries, the 'Output' tab shows the 'hr_database.employees' table with 29 rows. A red arrow points to the row with employee_id 5.

```
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;
```

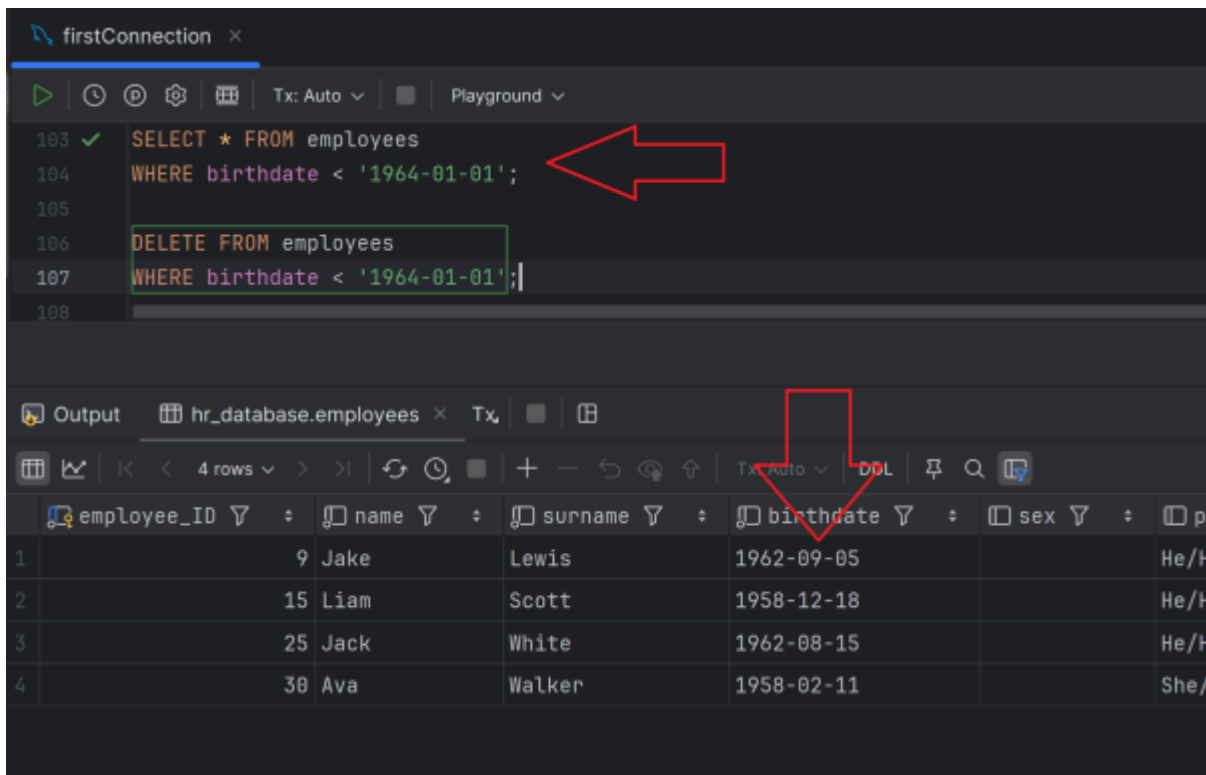
employee_ID	name	surname	birthdate	sex	pronomen
1	John	Doe	1985-03-25		He/Him
2	Jane	Smith	1990-07-19		She/Her
3	Mike	Brown	1982-11-02		He/Him
4	Chris	Williams	1987-04-11		He/Him
5	Anna	Lee	1993-12-01		She/Her
6	David	Kim	1989-10-22		He/Him

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:



The screenshot shows a SQL IDE with a SELECT query filtering by birthdate. A red arrow points to the query. Below the query, the 'Output' tab shows the 'hr_database.employees' table with 4 rows. A red arrow points to the row with employee_id 9.

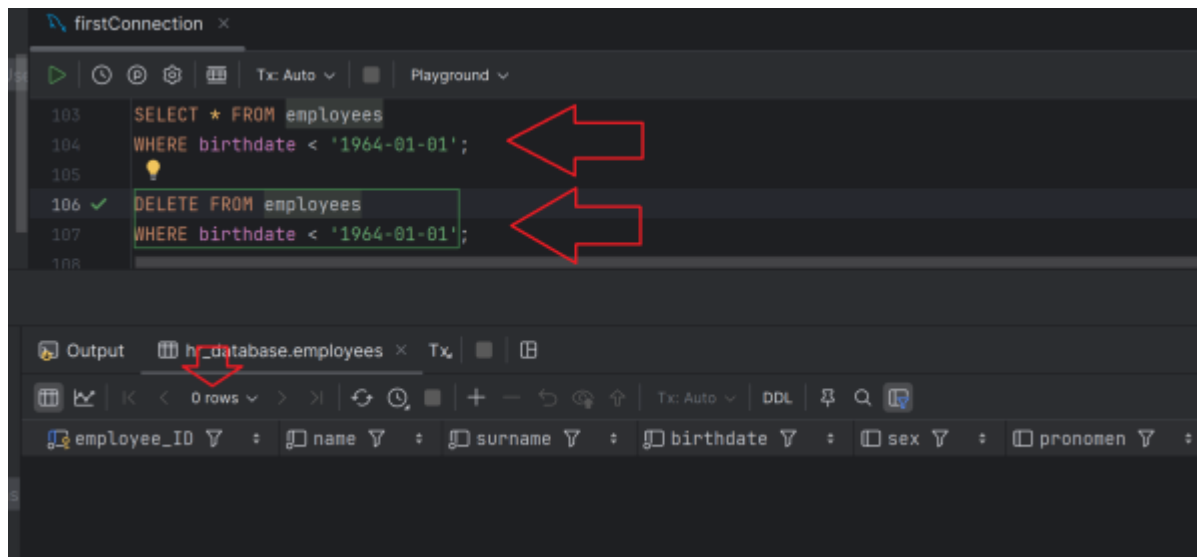
```
103 ✓ SELECT * FROM employees
104 WHERE birthdate < '1964-01-01';
105
106 DELETE FROM employees
107 WHERE birthdate < '1964-01-01';
108
```

employee_ID	name	surname	birthdate	sex	pronomen
1	Jake	Lewis	1962-09-05		He/Him
2	Liam	Scott	1958-12-18		He/Him
3	Jack	White	1962-08-15		He/Him
4	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
...	...



Volkan Demir

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