

LU08.S04 - DELETE

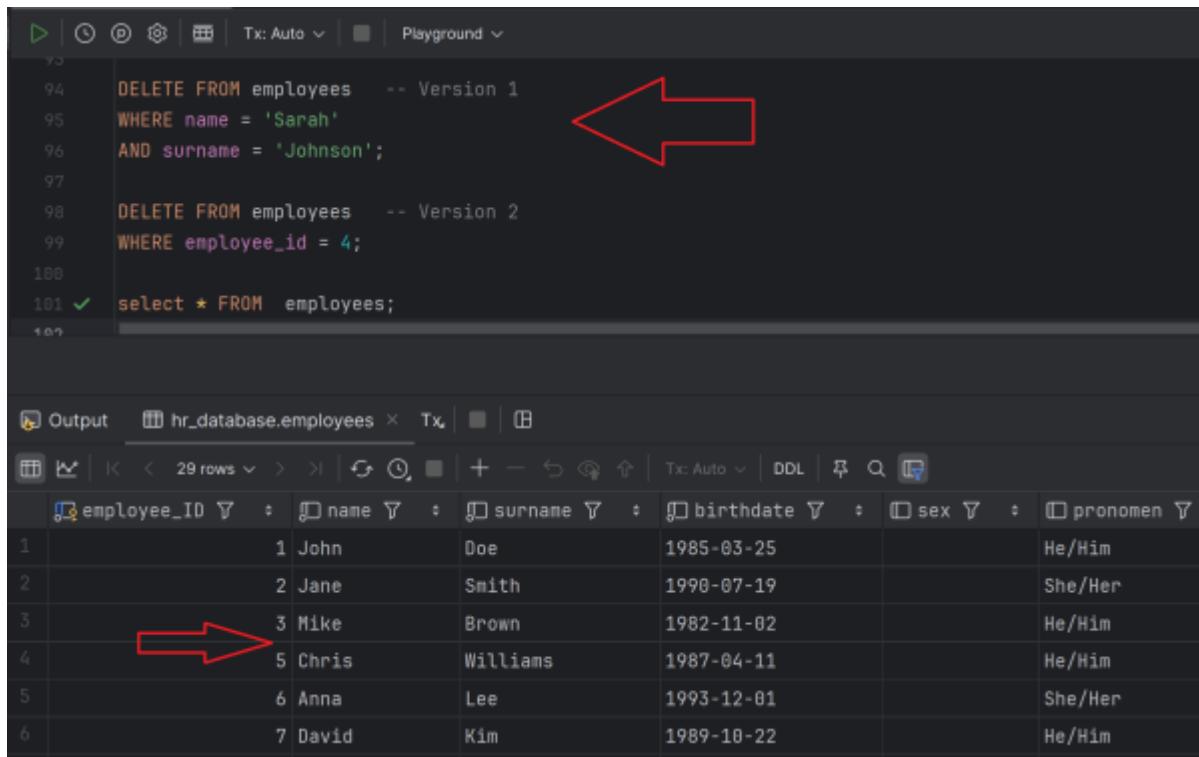
A: Delete of one row

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;
```



```

1. DELETE FROM employees -- Version 1
   WHERE name = 'Sarah'
   AND surname = 'Johnson';

2. DELETE FROM employees -- Version 2
   WHERE employee_id = 4;

3. select * FROM employees;

```

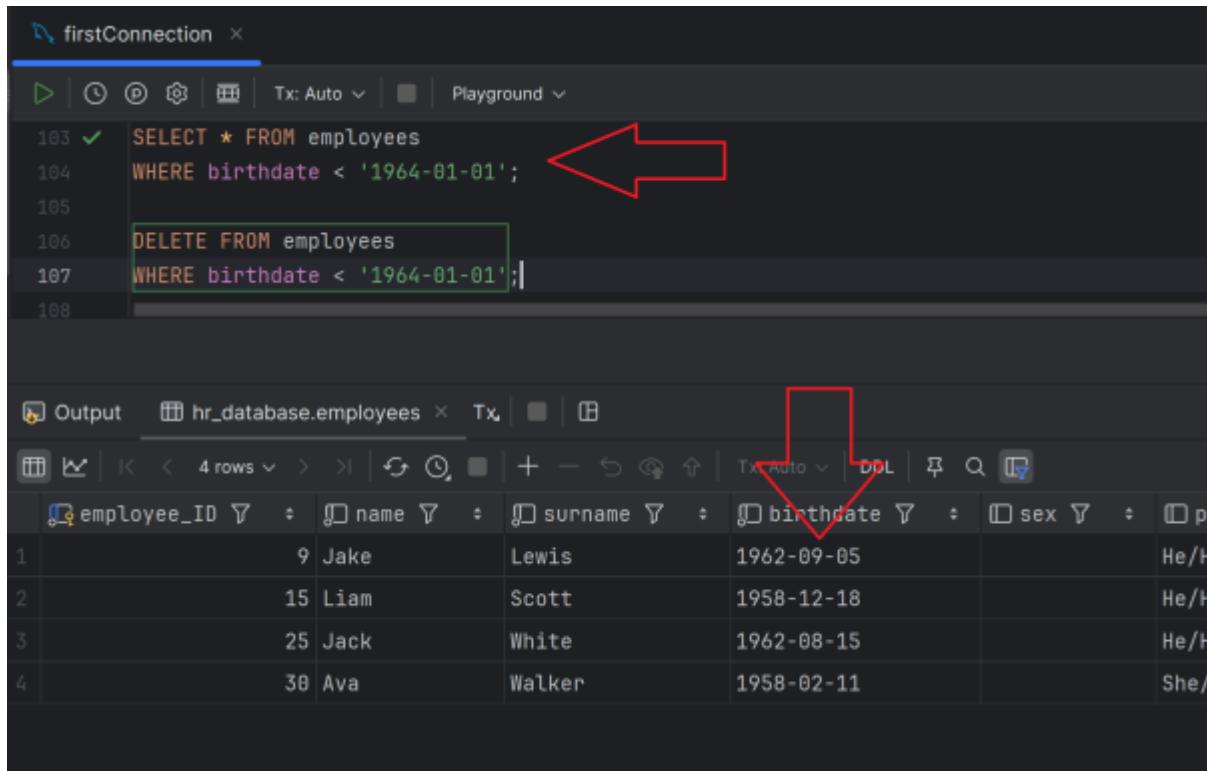
employee_ID	name	surname	birthdate	sex	pronomen
1	John	Doe	1985-03-25		He/Him
2	Jane	Smith	1990-07-19		She/Her
3	Mike	Brown	1982-11-02		He/Him
4	Chris	Williams	1987-04-11		He/Him
5	Anna	Lee	1993-12-01		She/Her
6	David	Kim	1989-10-22		He/Him

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 database interface with two panes. The top pane is a code editor with the following content:

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

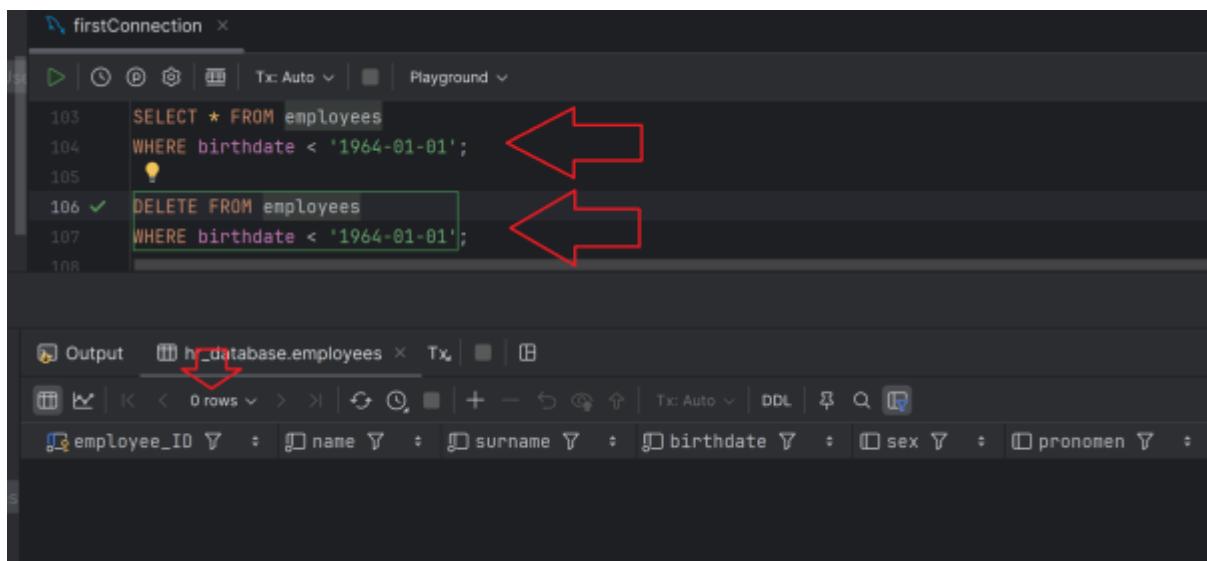
The bottom pane is a table viewer showing the results of the query. The table has columns: employee_ID, name, surname, birthdate, sex, and pronomen. The data is as follows:

	employee_ID	name	surname	birthdate	sex	pronomen
1	9	Jake	Lewis	1962-09-05	He/H	
2	15	Liam	Scott	1958-12-18	He/H	
3	25	Jack	White	1962-08-15	He/H	
4	38	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:



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```

The bottom pane is a table viewer showing the results of the query. The table has columns: employee_ID, name, surname, birthdate, sex, and pronomen. The data is as follows:

	employee_ID	name	surname	birthdate	sex	pronomen

Vocabulary

English	German
...	...



Volkan Demir

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