LU06 – Project: Animal Shelter on the River Ron

Prerequisites

- **Working method:** Pair work (same group as in LU05)
- **Resources:** Your own database from LU05.
- **Time:** approx. 30 minutes

Background

We would like to help animals at the **Ron Animal Shelter** in Root (LU) are up for adoption (tierschutz-luzern.ch) in our database.

Your tables: **enclosures**, **animal species**, **animal**.

Task

1. Insert data records

animal-type (columns: name, origin)

```
Hund, Weltweit domestiziert

Katze, Weltweit domestiziert

Kaninchen, Europa
```

enclosure (columns: name, location, area)

```
Hundeaussenbereich 1, Garten, 45.50

Kleintierraum, Innenbereich, 20.00

Katzenzimmer, Innenbereich, 15.00
```

Animal (Columns: name, date_of_birth, gender, enclosure_id, species_id)

```
('Zuki', '2024-04-01', 'w', 2, 3),
```

```
('Sokka', '2024-04-01', 'm', 2, 3),
('Mila', '2019-09-03', 'w', 3, 2),
('Bäry', '2022-01-20', 'm', 1, 1),
('Luigi', '2025-09-01', 'm', 1, 1),
('Fred', '2025-11-01', 'm', 1, 1);
```

2. Deliberately violating a constraint

Try to add an animal **without a name** (name is NOT NULL). Read the error message.

3. Modify data

1. An input error has been detected for Mila: she is actually housed in a different enclosure – change her enclosure_id to **2**.
2. Luigi and Fred are being moved together to a new enclosure **and** their species is being corrected, as they are actually rabbits rather than dogs – change the ‘gehege_id’ for both to 2 **and** `art_id` to 3. To do this, use a `WHERE` condition that matches both at the same time.

Filter by name, e.g. ''WHERE name = 'Mila' ''. For both animals at the same time, you could use, for example, ''WHERE name = 'Luigi' OR name = 'Fred' ''. Use SELECT beforehand to check how many rows are affected.

4. Deleting data

1. Bäry has been successfully rehomed – delete his record specifically by name.
2. Zuki and Sokka are being rehomed together – delete both records using a WHERE clause that matches both at the same time.

Remember to carry out a dry run using SELECT before every DELETE.

M290-LU06

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