LU06 - Task: Post delivery

Prerequisites

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

Starting point

We would like to **enter, amend and delete city districts and postcodes for the city of Zurich** in our database.

Your tables: **poestler_in**, **postgebiet**, **letterbox**.

Task

1. Insert data records

poestler_in (Column: name)

```
Fabienne Huber

Marco Steiner
```

postal_area (Columns: name, postcode_area, poestler_id)

```
Zürich Kreis 1 - Altstadt, 8001-8001, 1

Zürich Kreis 4 - Aussersihl, 8004-8004, 1

Zürich Kreis 11 - Affoltern/Oerlikon/Seebach, 8046-8052, 2
```

Postbox (Columns: location, collection_time, area_id)

```
('Bahnhof Stadelhofen', '17:00:00', 1),
('Central', '16:30:00', 1),
('Bahnhof Oerlikon', '17:15:00', 3),
('Escher-Wyss-Platz', '16:45:00', 2),
```

```
('Stauffacher', '17:30:00', 2);
```

2. Deliberately violating the constraint

Try to create a postcode area **without a name** . Read the error message.

3. Modifying data

1. The collection for “Central” will now take place half an hour later – change the collection time to **17:00:00**.
2. The “Oerlikon railway station” postbox will be moved **and** will now be emptied more frequently – change the location to “Oerlikon North Station” **and** set the collection time to 18:00:00 in a single command.

Filter by location, e.g. ''WHERE location = 'Central' ''. Use SELECT beforehand to check how many rows are affected.

4. Delete data

1. The ‘Escher-Wyss-Platz’ postbox is being dismantled – delete it specifically by location.
2. All postboxes in the “Zurich District 4 – Aussersihl” area are being reorganised – delete all postboxes with area_id 2 in one go.

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

M290-LU06

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