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| , RD Dep.  **introduction to dwh and etl** |
| BUSINESS LAYER 3NF |

# Analytical task

1. Reiterate the core concept of Slowly Changing Dimensions (SCD).
2. Based on the datasets you have selected or generated according to the provided requirements your current task is as follows:

You are required to design data-model for the **3NF level**.

If there are multiple datasets containing data for the same entities, it should be represented by a single table at this stage. This means that, for example, there cannot be separate "employee" table for the first dataset and separate "employee" table for another dataset with the same or different sets of attributes. Instead, there will be a single "employee" table that will be populated from both datasets.

In the current model, you need to enhance the tables by including fields such as **SOURCE TRIPLET**. Please make sure to refer to the additional material (PostgreSQL\_DB\_for\_DWH\_and\_ETL\_Additional\_materials.pptx) and video.

Moreover, each table must have a surrogate key, and one or more other fields that compose the natural key of the entity.

Choose the entity that will be associated with SCD2 and rename it using the naming convention in the Introduction module.

In all tables, following the naming convention, include **required** columns (only those that are needed, check with Naming\_Conventions.docx):

*As example*

* *START\_DT*
* *END\_DT*
* *IS\_ACTIVE*
* *INSERT\_DT*
* *UPDATE\_DT*
* *etc*

# Results

Result of this task should be:

1. Chapter in document (2. BUSINESS LAYER 3NF) with the 3NF model (.png) and design process.