Exercise - Explanation 1

- In this exercise, you will implement an SCD type 7 schema
- This exercise is comprehensive and you will have to use many of the things you have learned in the SQL in practice lectures
- The exercise can be broken up into three phases

1 Create the schema given on slide 19 (either in your own containerized PostgreSQL, or in the personal database I have made available to you) and populate it with the values given on the slide.
   - Remember to use appropriate data types when creating tables, and also specify the appropriate constraints, e.g., foreign keys. The SQL script 'create_tables_for_update_delete_trigger' contains many useful commands.
   - Hint: the SQL function 'current_date' will return the current date, and behaves similarly to the functions 'current_timestamp(0)' or 'now()', when setting default column values, or when inserting values.

Exercise

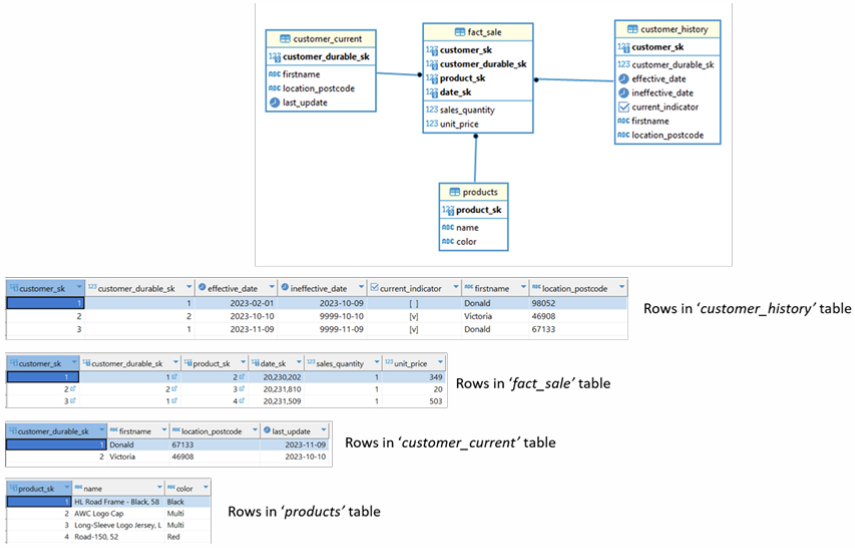


Figure: Schema *bi_trigger*

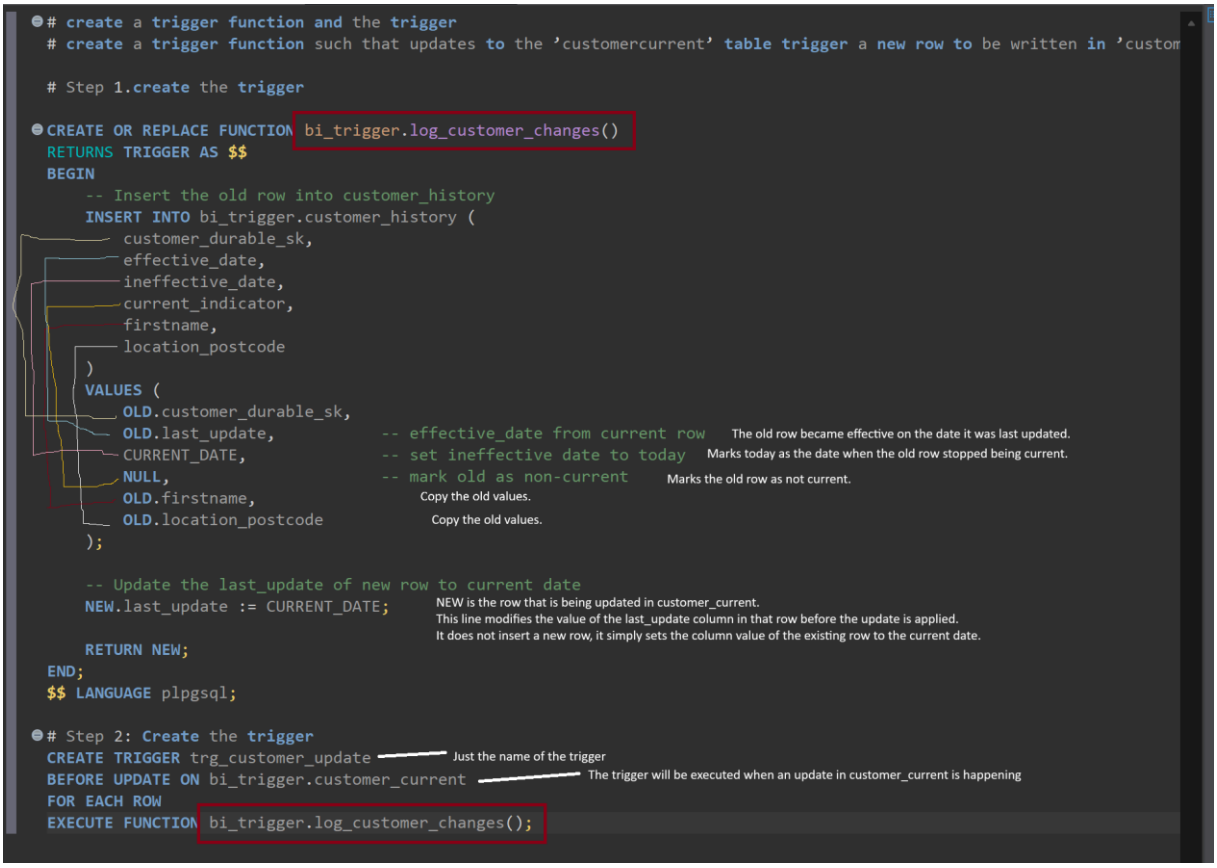
Create table with junction.sql

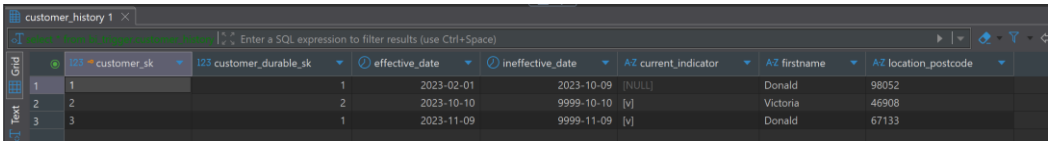
Exercise - Explanation 2

2 Create a trigger function and the trigger
- Create a trigger function such that updates to the 'customer_current' table trigger a new row to be written in 'customer_history'.
- Hint: You can use parts of the SQL script 'Update, Delete and Triggers' and modify it for this exercise.

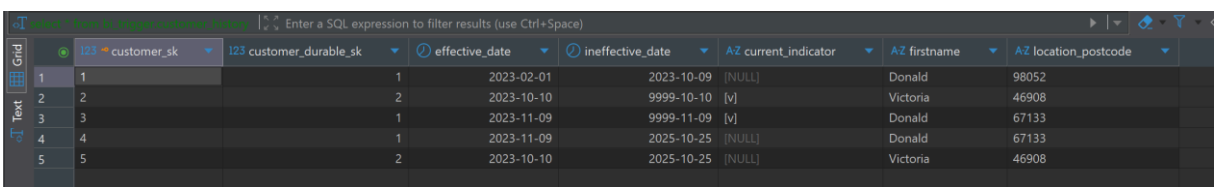
3 Make updates to the 'location_postcode' column in the 'customer_current' table:
- 3.1 Update 'Donalds' Postcode to 32584
- 3.2 Update 'Victorias' Postcode to 73611

- Check that the updates is implemented in the 'customer_current' table, and that the 'customer_history' table has been updated appropriately.





Nach dem update



Trigger und Update.sql