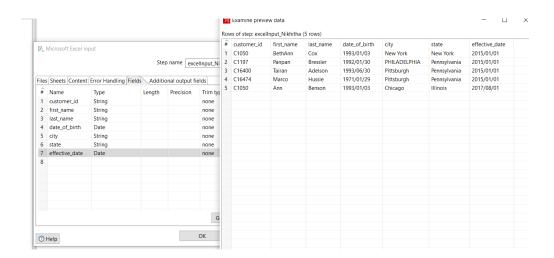
ITMD 526 – Data warehousing

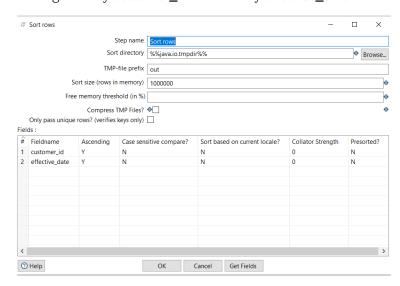
Assignment 3

Nikhitha Kamath - A20473286

Importing Excel File

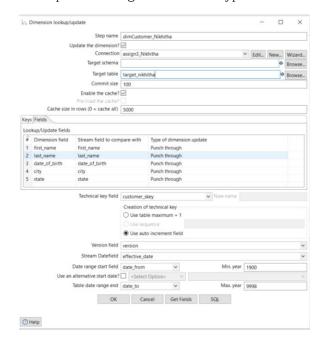


Sorting rows by **customer_id** and then by **effective_date**



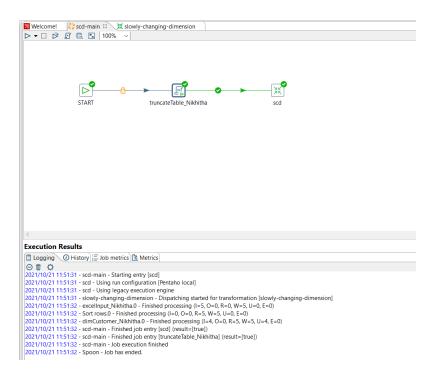
Dimension Lookup

- 1. Connect to a database
- 2. Give a target table name
- 3. 'Punch Through' Values. This overwrites the most recent data. This is SCD Type 1
 - first_name: punch through; this is a scd type 1 variable.
 - last_name: punch through; this is a scd type 1 variable.
 - date_of_birth: punch through; this is a scd type 1 variable.
 - city: punch through; this is a scd type 1 variable.
 - State: punch through; this is a scd type 1 variable.



Successful Execution of Transformation and Job

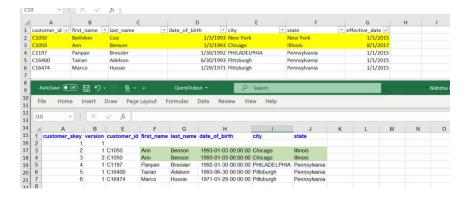




SCD Type 1 Output

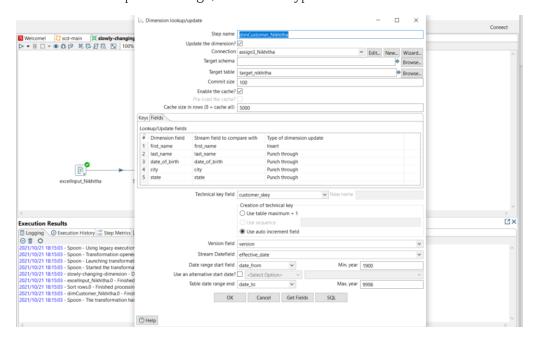
All columns were punch through SCD type 1 variables, therefore the details were overwritten.





SCD Type 2

- 1. Connect to a database
- 2. Give a target table name
- 3. 'Insert' Values. Adds a new row. This is SCD Type 2
 - first_name: insert; this is a scd type 2 variable.
 - last_name: punch through; this is a scd type 1 variable.
 - date_of_birth: punch through; this is a scd type 1 variable.
 - city: punch through; this is a scd type 1 variable.
 - State: punch through; this is a scd type 1 variable.



SCD Type 2 Output



First name is the type 2 variable, it inserts a new row with the first name changed to Ann. Rest of the columns were punch through SCD type 1 variables, therefore the details were overwritten.

