

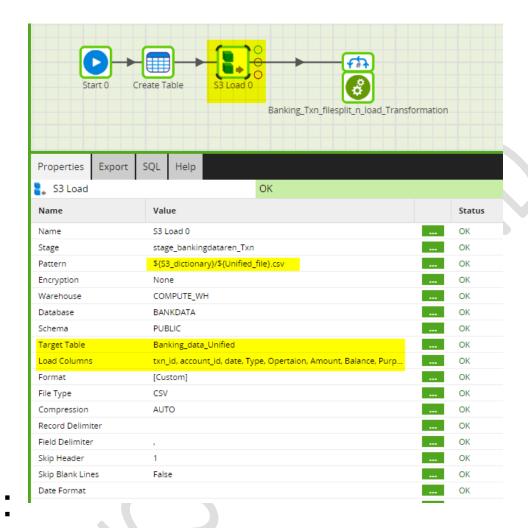
This involves below main steps and sub steps:

- 1. Load unified data from CSV in S3 to Snowflake table
  - o Create a table structure in snowflake using CREATE TABLE



Use S3 LOAD to load into snowflake



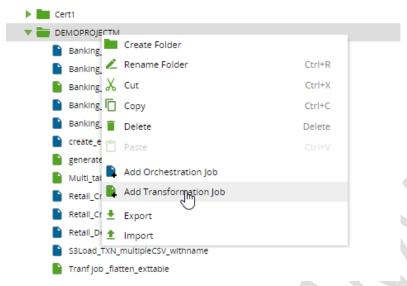


2. Since we need to loop/iterarte YEAR, create a variable for year

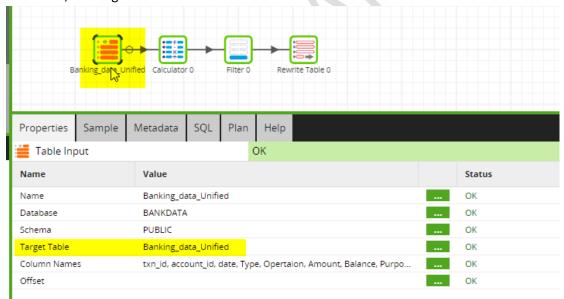


- 3. Creating transformations:
  - o Create a transformation Job



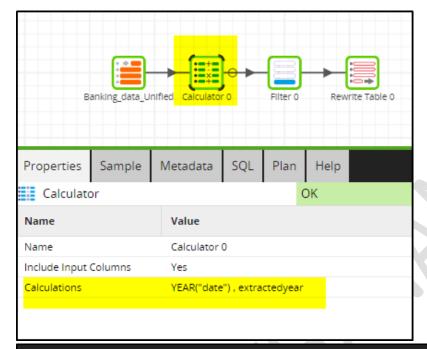


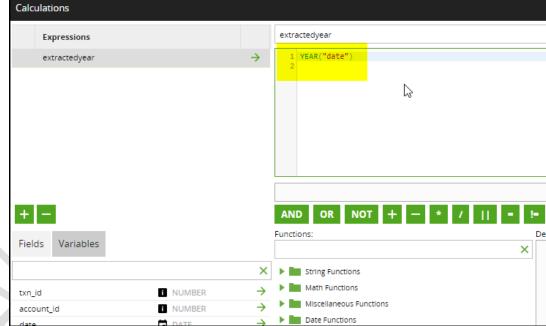
Use TABLE INPUT, to bring in data to transform



Use CALCULATER to add a YEAR column

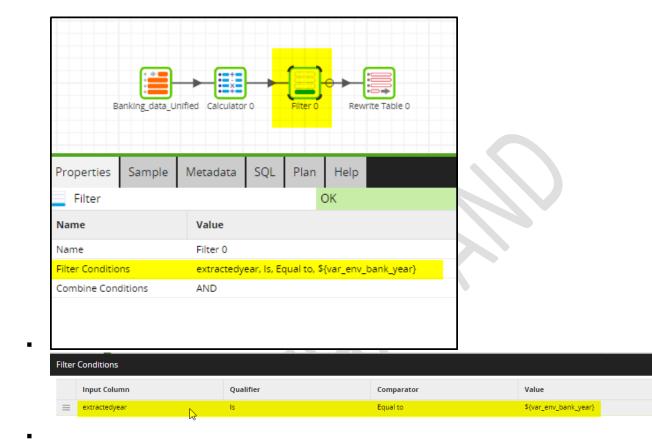




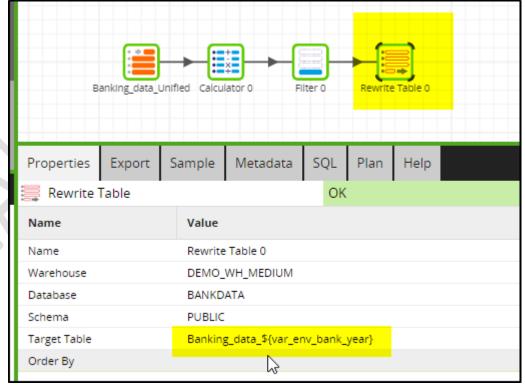


Use FILTER to filter out the year





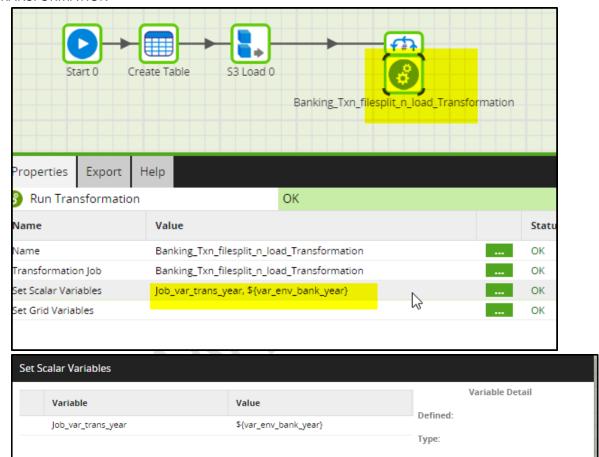
Write into the respective tables



4. To tie the Orchestration and Iteration Job together we use 'Run transformation' component. But for the variable to loop when transforming we need a LOOP ITERATOR

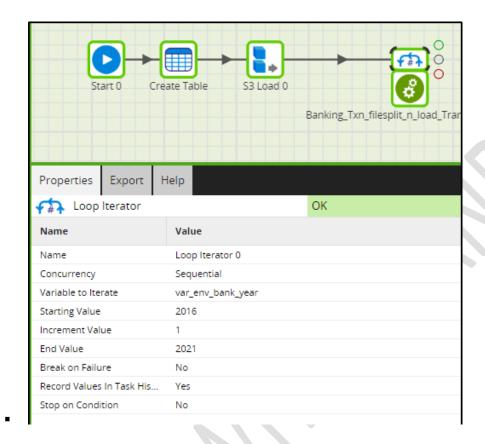


- CREATE JOB VARIABLE IN TRANSFORMATION JOB -> Job\_var\_trans\_year
  - This will be used to pass variable (here year) from Orchestration job to Transformation job, thru 'run transformation' componenets
- RUN TRANSFORMATION



LOOP ITERATOR





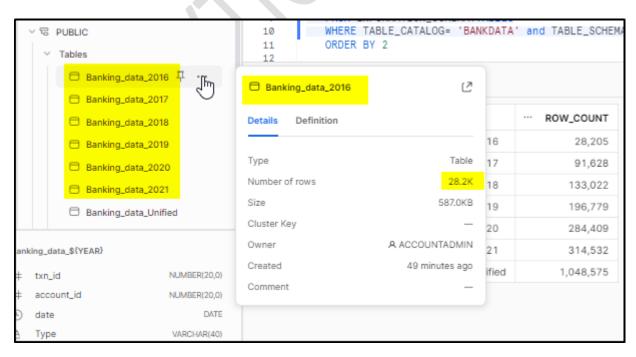
# **RESULTS:**

In mattillion:



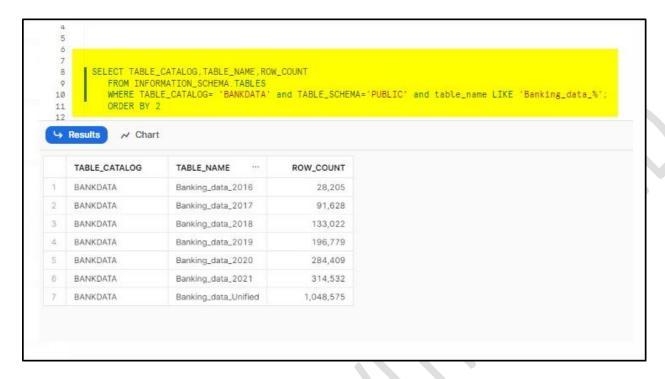
		500				200000	
Environment: Matillion_Ban	default	ult Queued: 22:55:19		Duration: 31.9s		വ View Jobs	
Job	Component	Duration	Queued	Started	Completed	Row Co	Message
Banking_Txn_filesplit_n_load		31.9s	22:55:19	22:55:19	22:55:51		
Banking_Txn_filesplit_n_loa	Start 0	0.0s	22:55:19	22:55:19	22:55:19		
Banking_Txn_filesplit_n_loa	Create Table	1.2s	22:55:19	22:55:19	22:55:20		Created table ["BANKDATA"."PUBLIC"."Banking_data_Ur
Banking_Txn_filesplit_n_loa	S3 Load 0	9.4s	22:55:20	22:55:20	22:55:29	1048575	
▼ ❷ Banking_Txn_filesplit_n_loa	Loop Iterator 0	21.2s	22:55:29	22:55:29	22:55:51		6 iterations generated.
▼ ❷ Banking_Txn_filesplit_n_	Banking_Txn_fil	3.1s	22:55:29	22:55:29	22:55:32		var_env_bank_year = 2016
▼ ❷ Banking_Txn_filespli	Banking_Txn_fil	3.1s	22:55:29	22:55:29	22:55:32		
Banking_Txn_file	Banking_data_U	0.5s	22:55:29	22:55:29	22:55:30	0	
Banking_Txn_file	Calculator 0	0.1s	22:55:30	22:55:30	22:55:30	0	
Banking_Txn_file	Filter 0	0.1s	22:55:30	22:55:30	22:55:30	0	
Banking_Txn_file	Rewrite Table 0	2.4s	22:55:30	22:55:30	22:55:32	28205	b
▼ ❷ Banking_Txn_filesplit_n_	Banking_Txn_fil	3.4s	22:55:32	22:55:32	22:55:36		var_env_bank_year = 2017
▼ 🛭 Banking_Txn_filespli	Banking_Txn_fil	3.4s	22:55:32	22:55:32	22:55:36		
Banking_Txn_file	Banking_data_U	1.0s	22:55:32	22:55:32	22:55:33	0	
Banking_Txn_file	Calculator 0	0.1s	22:55:33	22:55:33	22:55:34	0	
Banking_Txn_file	Filter 0	0.1s	22:55:34	22:55:34	22:55:34	0	
Banking_Txn_file	Rewrite Table 0	2.1s	22:55:34	22:55:34	22:55:36	91628	
Banking_Txn_filesplit_n_	Banking_Txn_fil	3.5s	22:55:36	22:55:36	22:55:39		var_env_bank_year = 2018
Banking_Txn_filesplit_n_	Banking_Txn_fil	3.4s	22:55:39	22:55:39	22:55:43		var_env_bank_year = 2019
Banking_Txn_filesplit_n_	Banking_Txn_fil	3.9s	22:55:43	22:55:43	22:55:47		var_env_bank_year = 2020
Banking_Txn_filesplit_n_	Banking_Txn_fil	3.9s	22:55:47	22:55:47	22:55:51		var_env_bank_year = 2021

#### In Snowflake new tables:





Total rows in each table



Cross verifying counts in the unified table:



