Project 8: DB to Talend

Aravind Chilakamarri

12588306

Step 1: Download and Install Talend

1) Talend is downloaded from the official URL
2) Once the Talend is installed, we get jvm error and to resolve the issue, either change the configuration file or download the new java version.
3) The new java version is downloaded from official java website and set up JAVA_HOME variable and path variables from environment variables and now lets deep dive into Talend Data Integration.

Step 2: Talend set up database connections and import the database.

1) Open Talend
2) Go to Database connections option and right-click on Database connections and select Create Connection option.
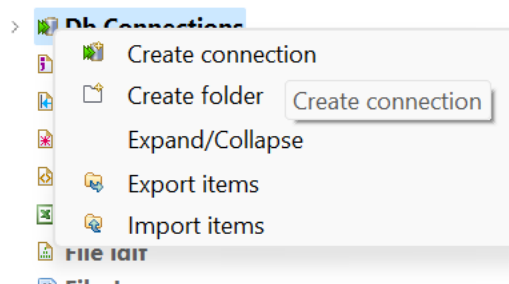
3) Now Give the Name for a connection and select SQLDatabase and import the database file from your folders.
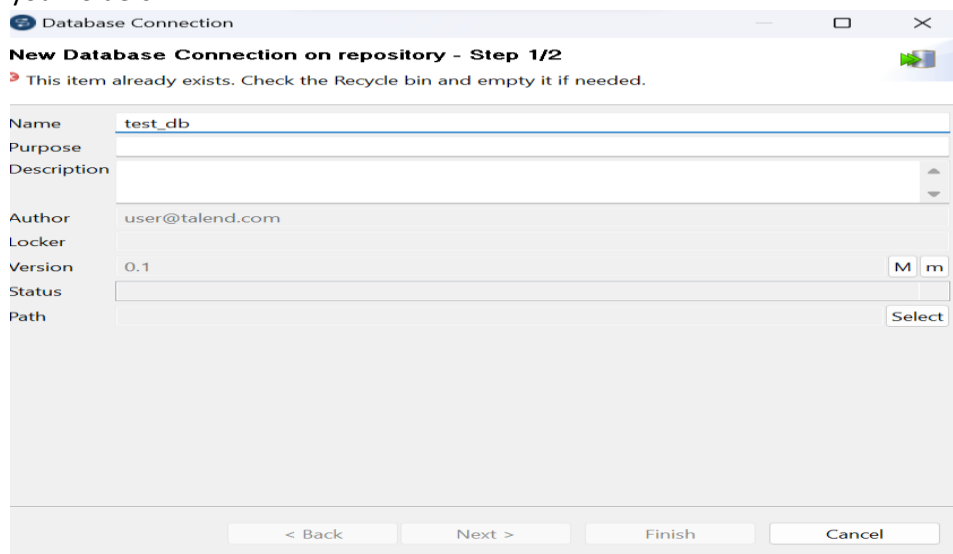
Database Connection

New Database Connection on repository - Step 2/2

ⓘ You must press the Check Button to check the Database Setting

DB Type SQLite

String of Connection jdbc:sqlite:/C:/Users/15736/Downloads/test.db
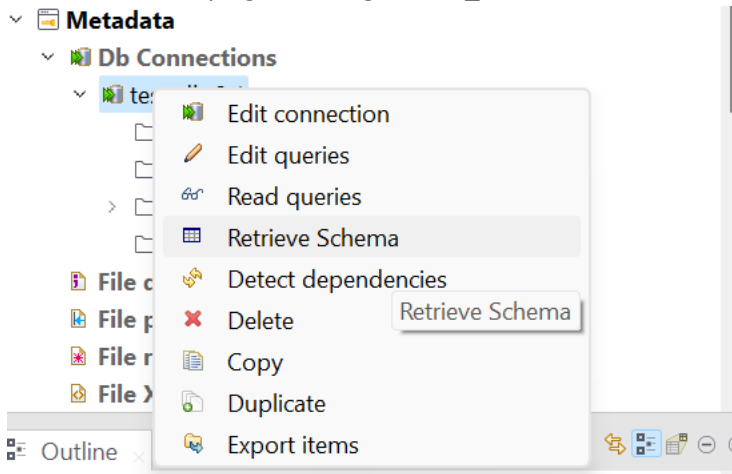
File C:/Users/15736/Downloads/test.db Browse...

Test connection v

Export as context   Revert Context
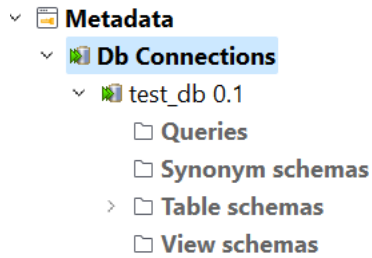
How to install a driver

< Back   Next >   Finish   Cancel

4) Check for connection weather if it is successful.

5) Retrieve tables by right clicking on test_db 0.1 and select retrieve schema.
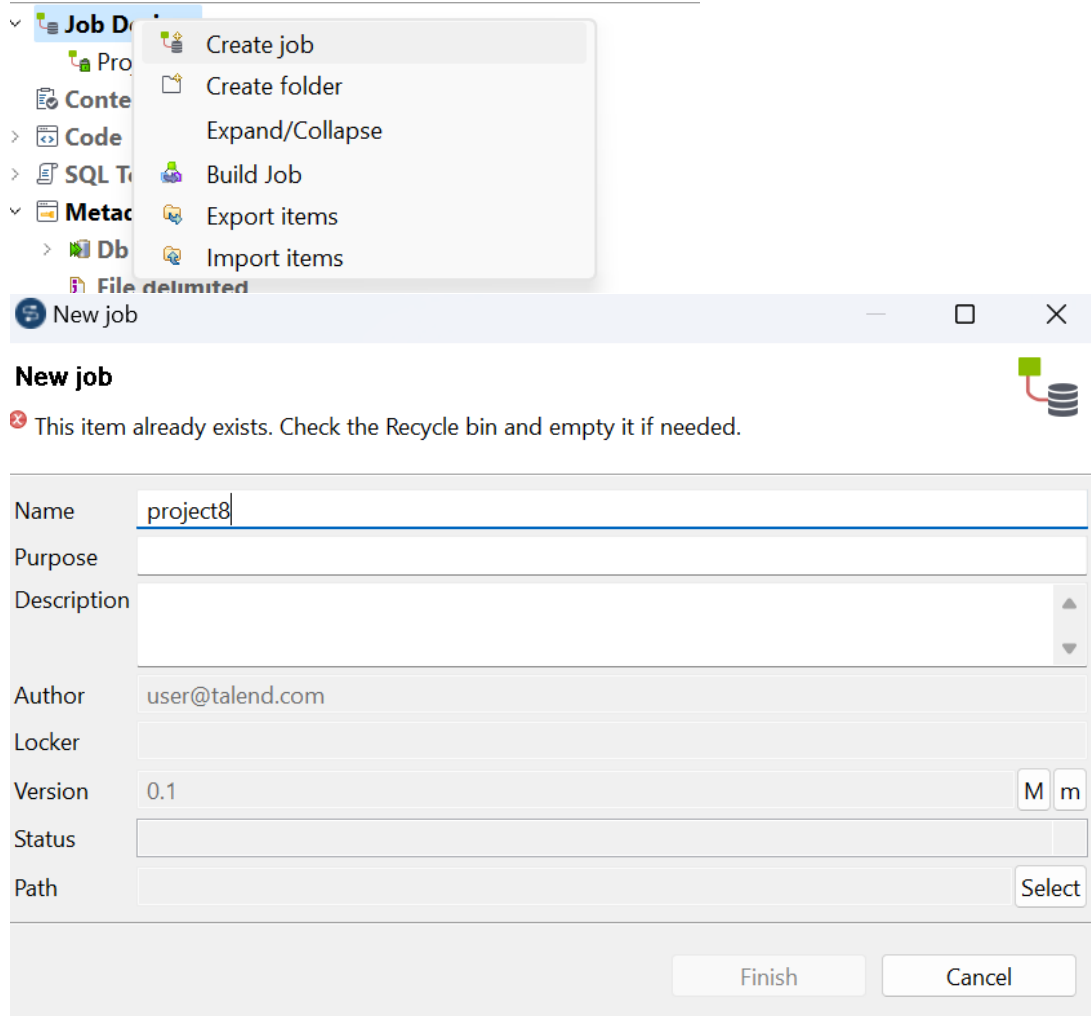

∨ 🖼 **Metadata**
 ∨ 📇 **Db Connections**
  ∨ 📇 te...

	Edit connection
	Edit queries
👓	Read queries
⊞	Retrieve Schema
	Detect dependencies
✖	Delete
▤	Copy
	Duplicate
	Export items

Retrieve Schema

📄 File c...
📄 File p...
📄 File r...
📄 File X...

Outline

6) You can see tables in Table Schemas

∨ 📁 **Table schemas**
 › ⊞ DIM_GEOGRAPHY
 › ⊞ DIM_PRODUCTS
 › ⊞ DIM_TIME
 › ⊞ FACT_SALES

Metadata
- **Db Connections**
  - test_db 0.1
    - Queries
    - Synonym schemas
    - Table schemas
    - View schemas

Step 3: Create a Job in Talend

1) Right click on a Job and create a new job.

- **Job D...**
  - Pro...
- Conte...
- Code
- SQL T...
- Metac...
  - Db
  - File delimited

Create job	
Create folder	
Expand/Collapse	
Build Job	
Export items	
Import items	

New job   — ☐ ✕

New job

⊗ This item already exists. Check the Recycle bin and empty it if needed.

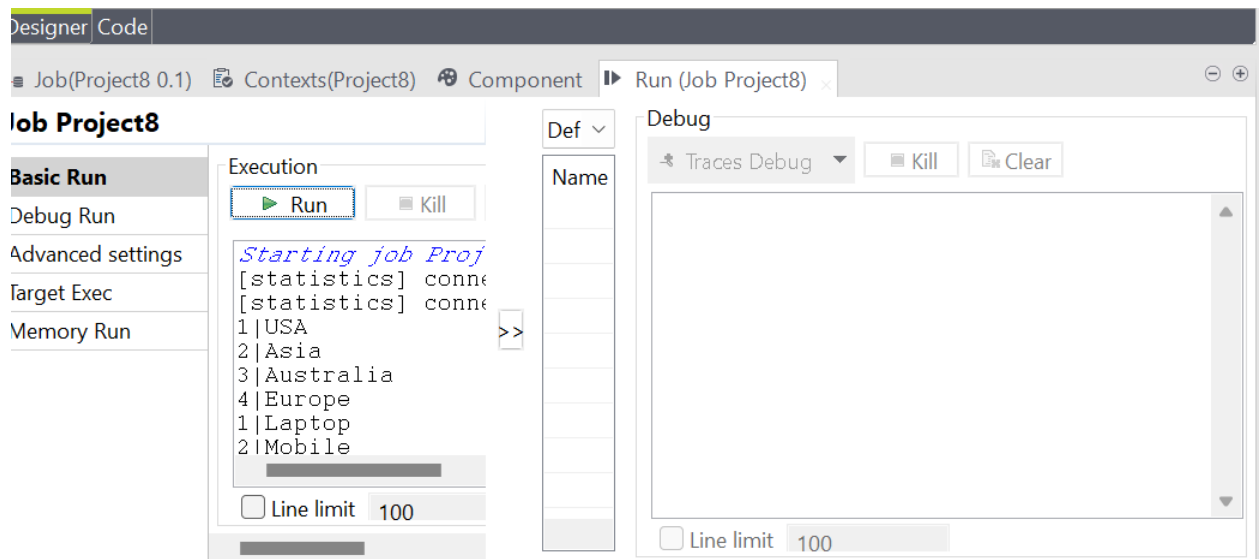|	
Name	project8
Purpose	
Description	
Author	user@talend.com
Locker	
Version	0.1 M m
Status	
Path	Select

Finish   Cancel

2) After creating job, you can start working on it.
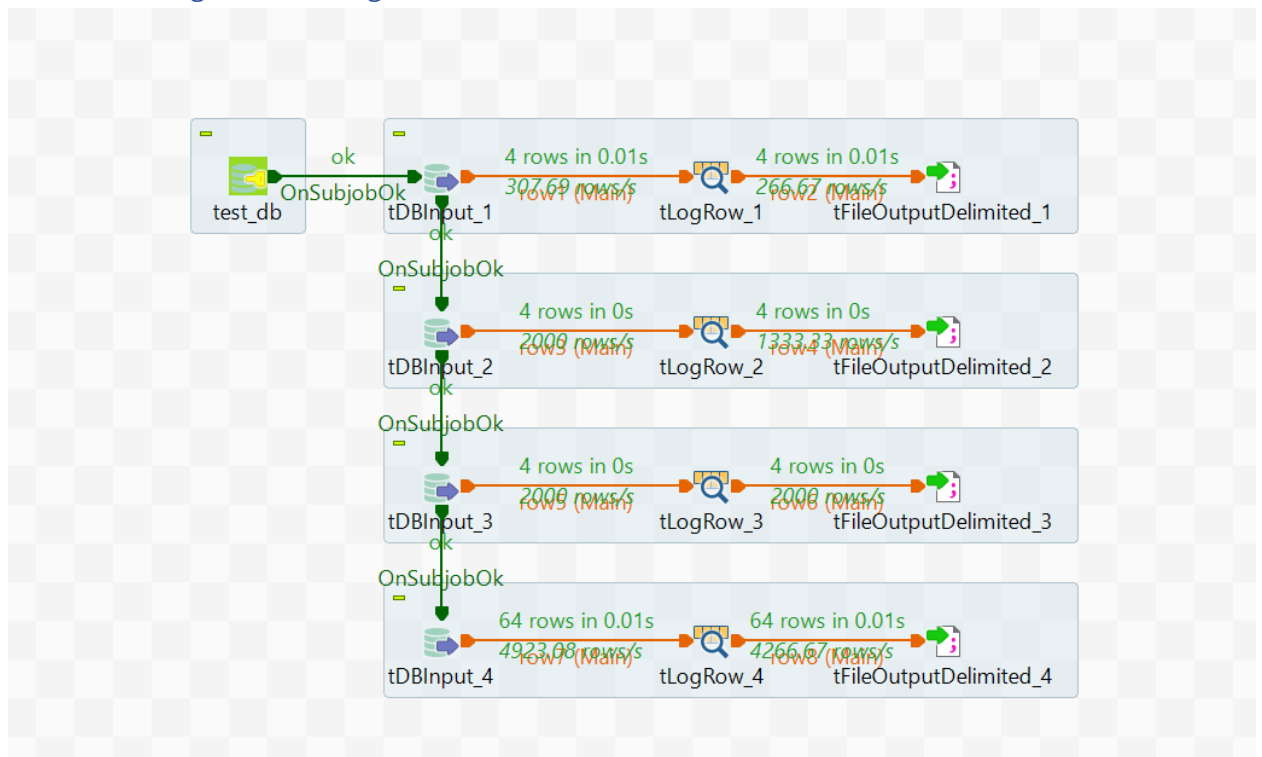
1) Drag and Drop test_db and right click and select trigger and then select on Subjob Ok
2) Now drag and drop each table where you see tDBINput icons and go to Components and change the settings as follows:
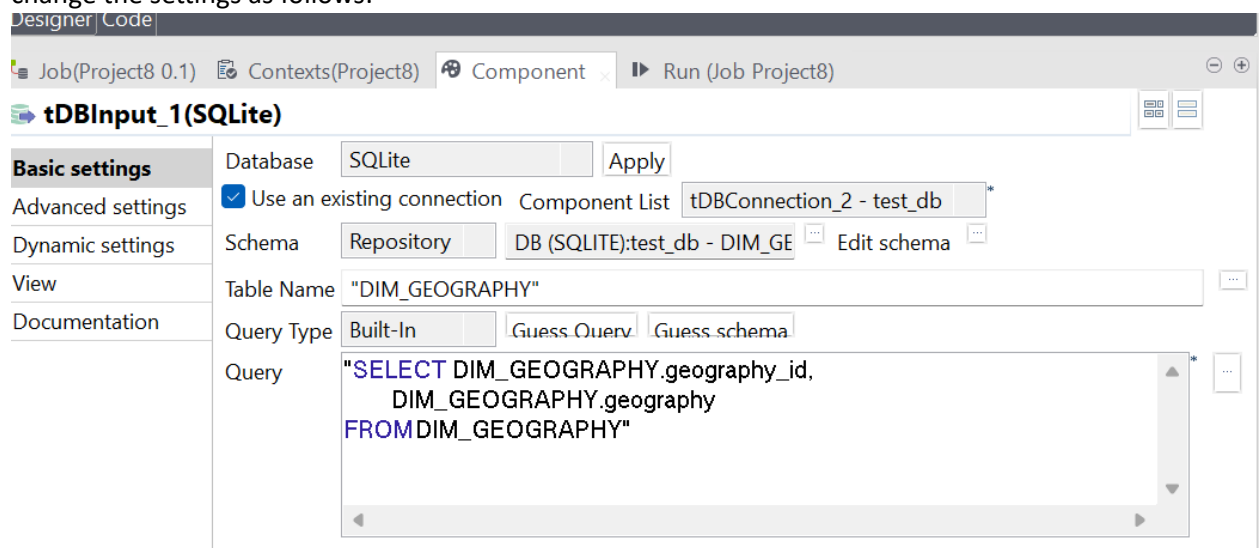
3) Do the above for 4 tables.
4) While doing it, click Guess Query to get the automatically query.
5) Connect tDBINputs to tLogRow and to tFileOutputDelimitted.
6) Select tFileOutputDelimitted and go to components and change the output file names, delimiter and say Run Job in Run section.

Step 5: Check for downloaded files.

Step 6: Get html Job documentation.

1) Right click on job. Select Generate Doc as HTML.