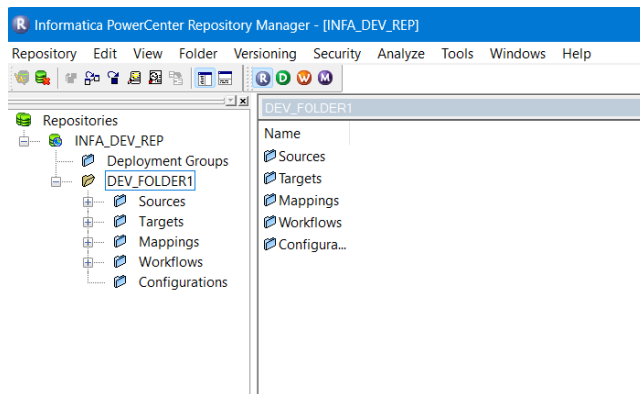# Weekly Assignment: Informatica Retail Store Data Processing

- Ishwarya D
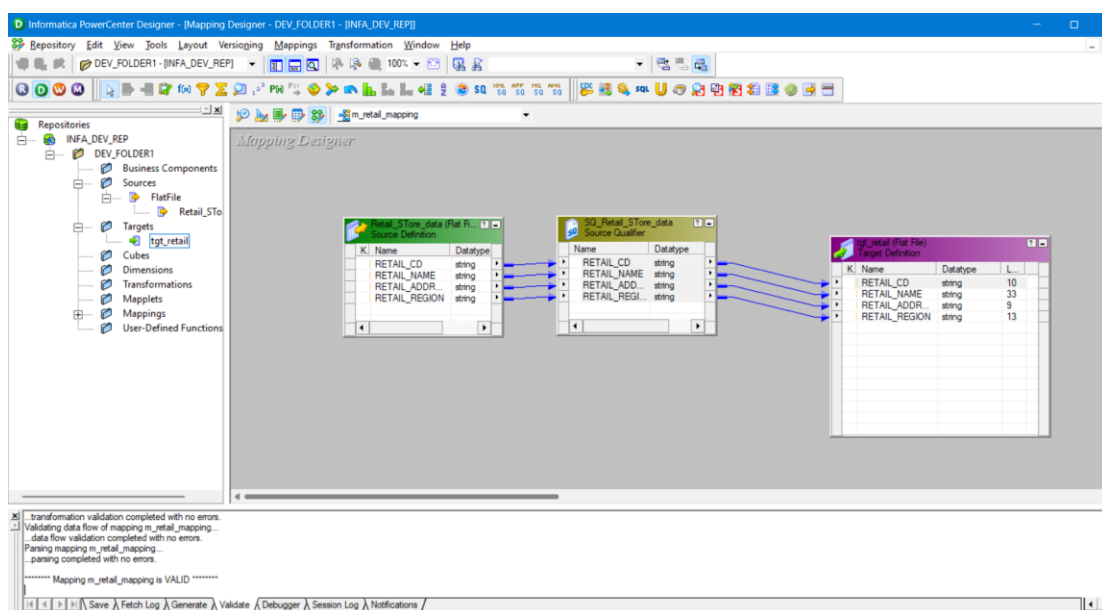
1. Retail_store file load into another file

○ **Load the provided Retail_store dataset file into a new output file.**

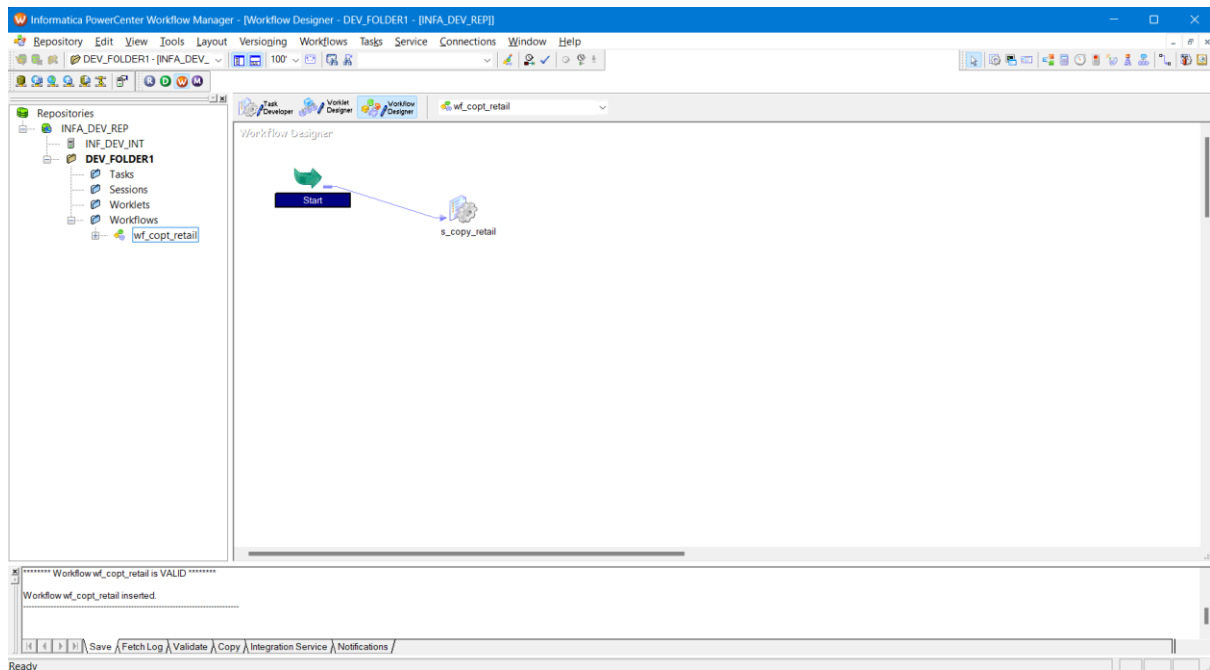○ **This task is focused on practicing file-to-file ETL transformations in Informatica**

Step 1: created the folder in Repositiory manager

Step 2: Imported source and target data into deisgners and mapped them. Validated the mapping
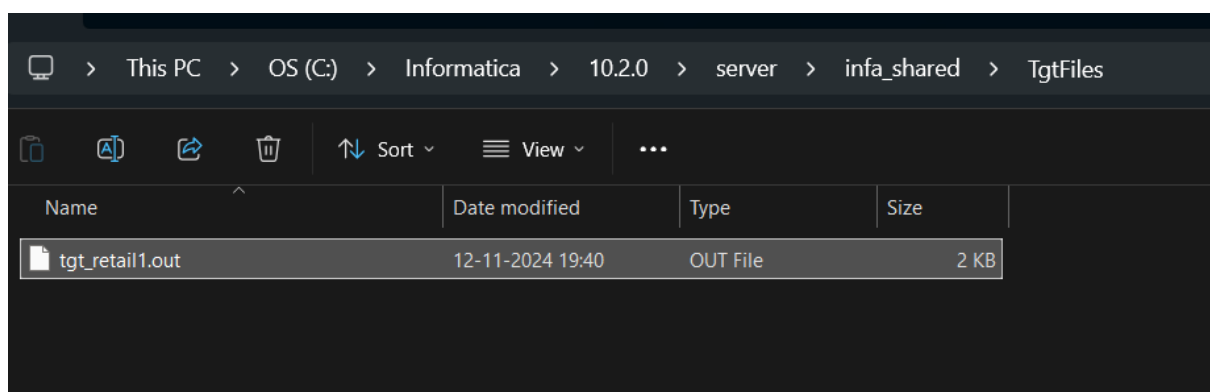
Step 3: Ran the workflow

Step 4: Checked whether the workflow executed successfully via the workflow monitor

Output file is generated

2. Retail_store file load into table stg_retail

o Load the Retail_store data into the staging table stg_retail in the database.

o Ensure accurate data mapping and loading with no errors. This step represents

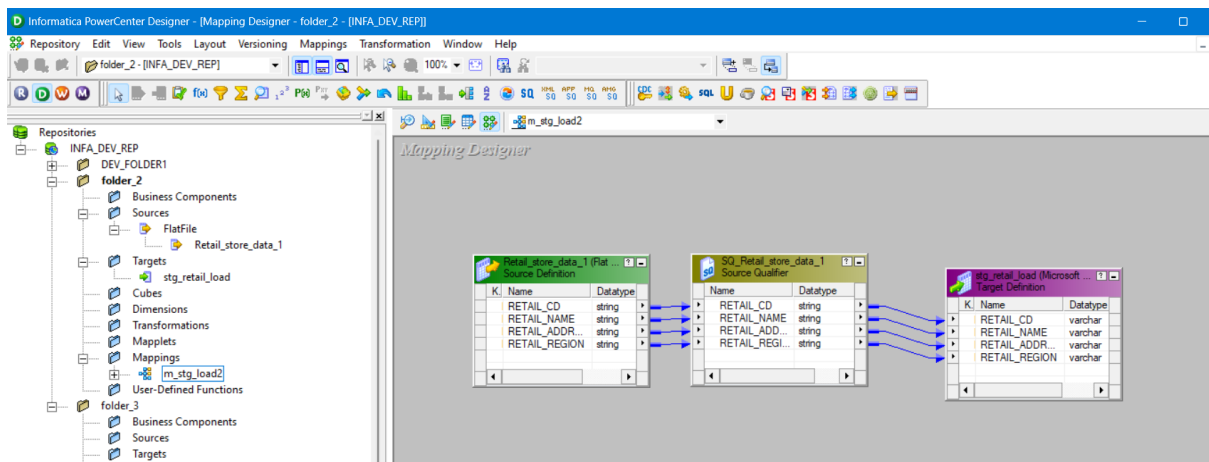loading raw data into a staging environment.

Step 1: Load source data
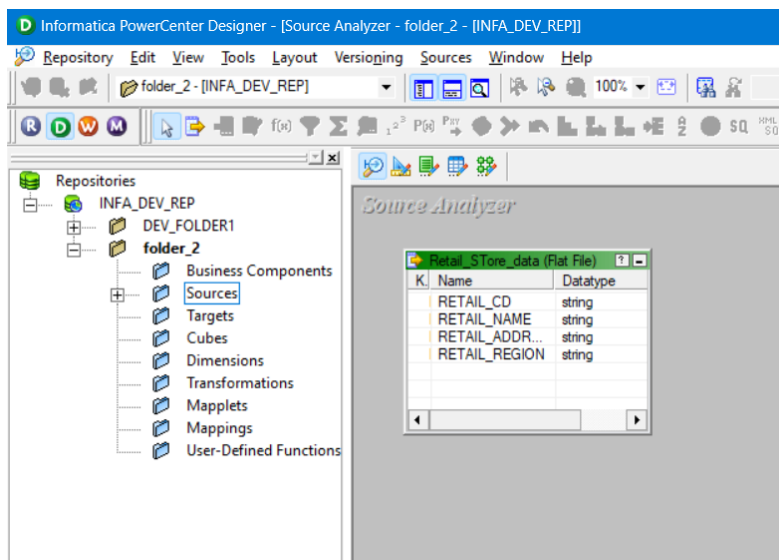
Step 2: create ddl for target data source
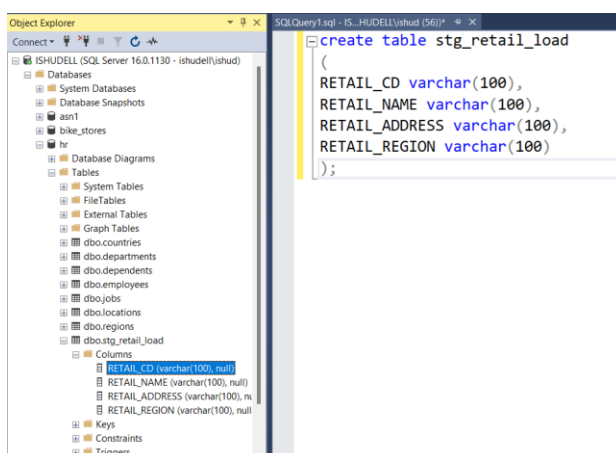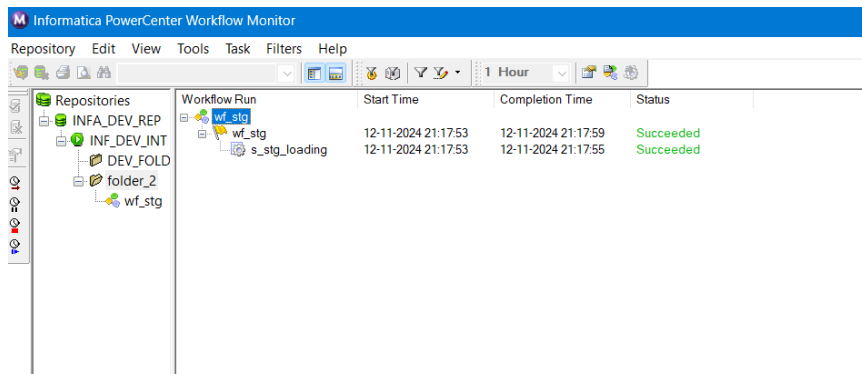
Step 3: create connections and mapping
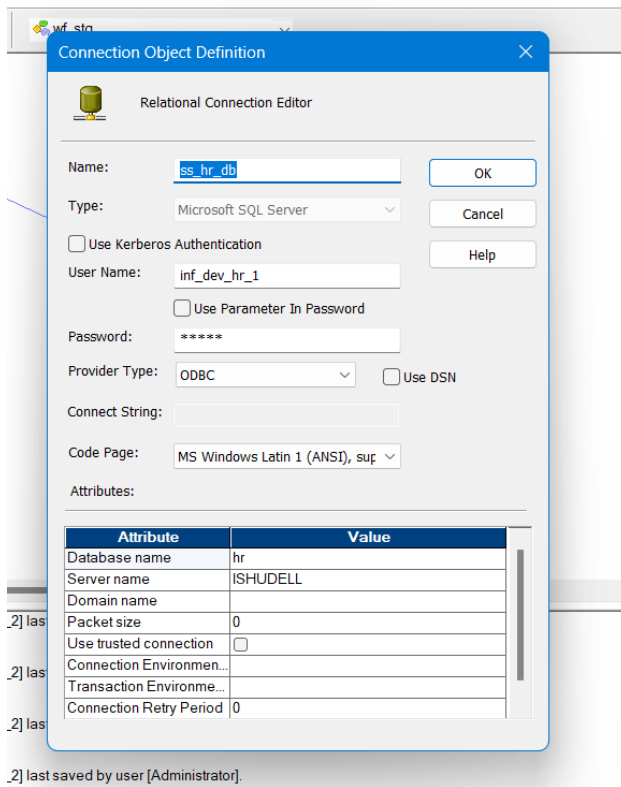
Step 4: create the workflow

Step 5: run the workflow

3. Create a file of countrynames using country table

○ Extract data from the country table to create a file containing only country names.

○ This exercise will help you practice extracting specific columns from a table.

Step 1:

Create table "tgt_regions"
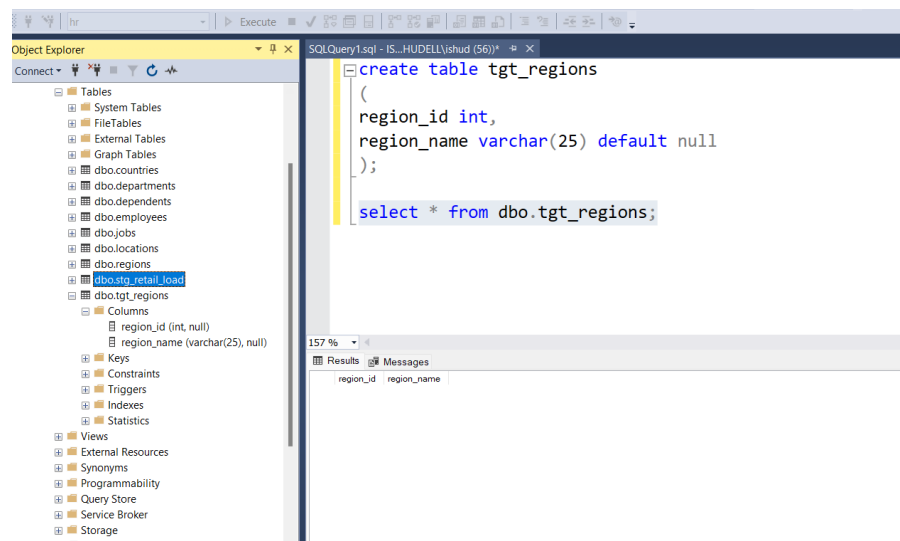
Step 2: import countries table and create mappings
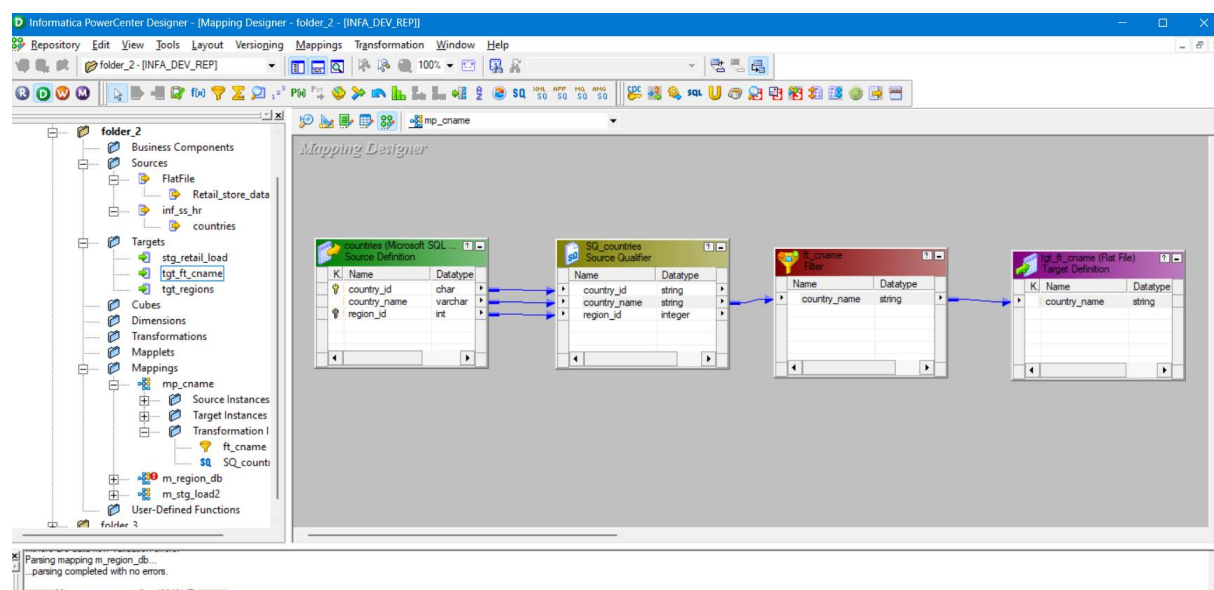
Step 3: Create and run the workflow
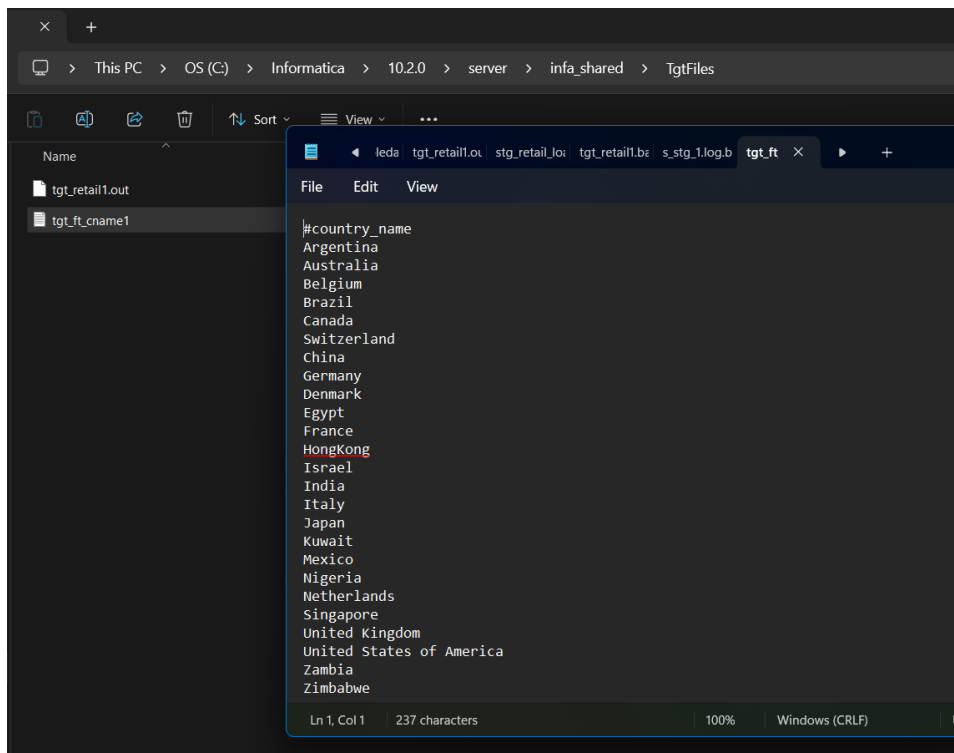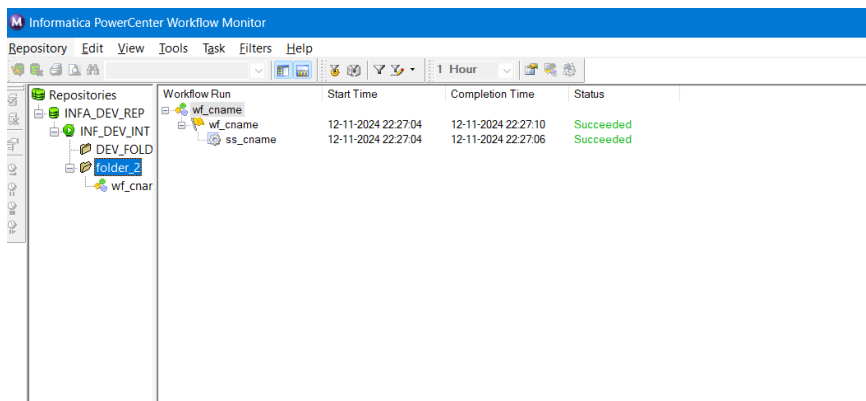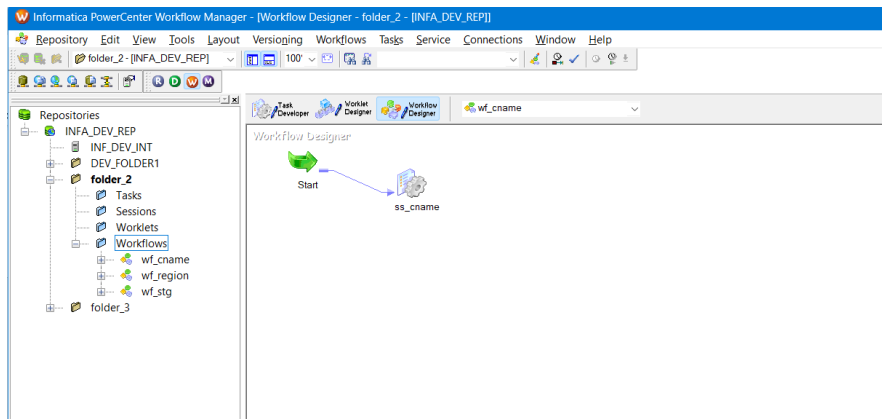
4. Create a file for manager_id = 100 using employee table

○ **Use the employee table to generate a file with records where manager_id equals 100.**

○ **This task focuses on conditional data extraction.**

Design:
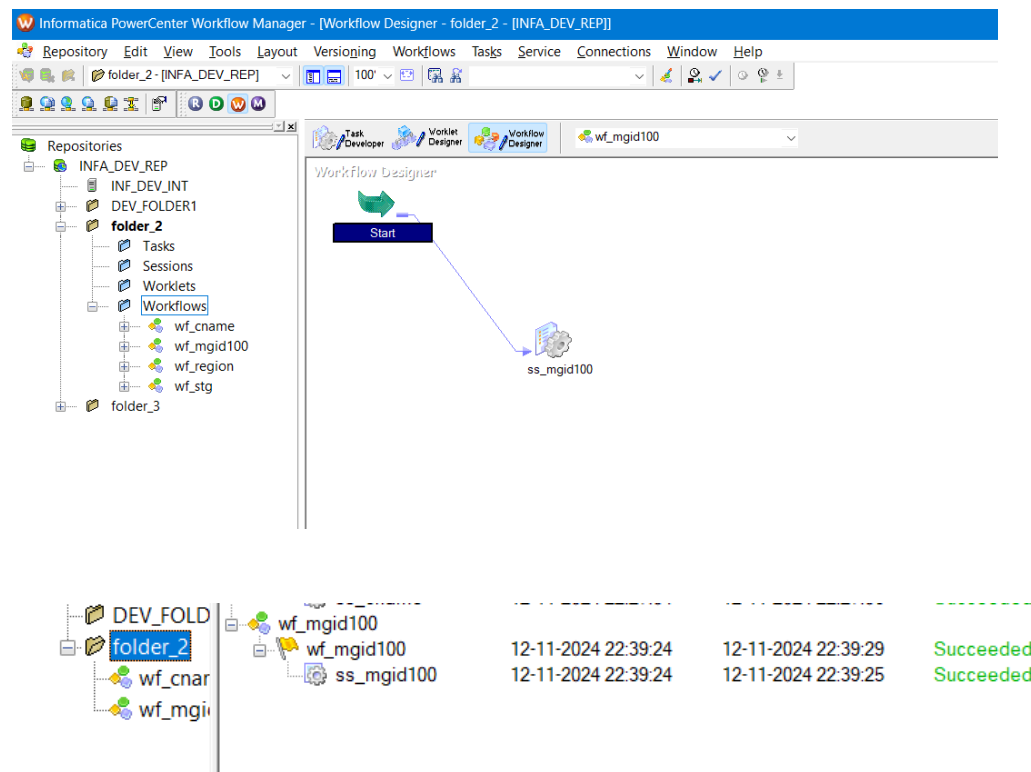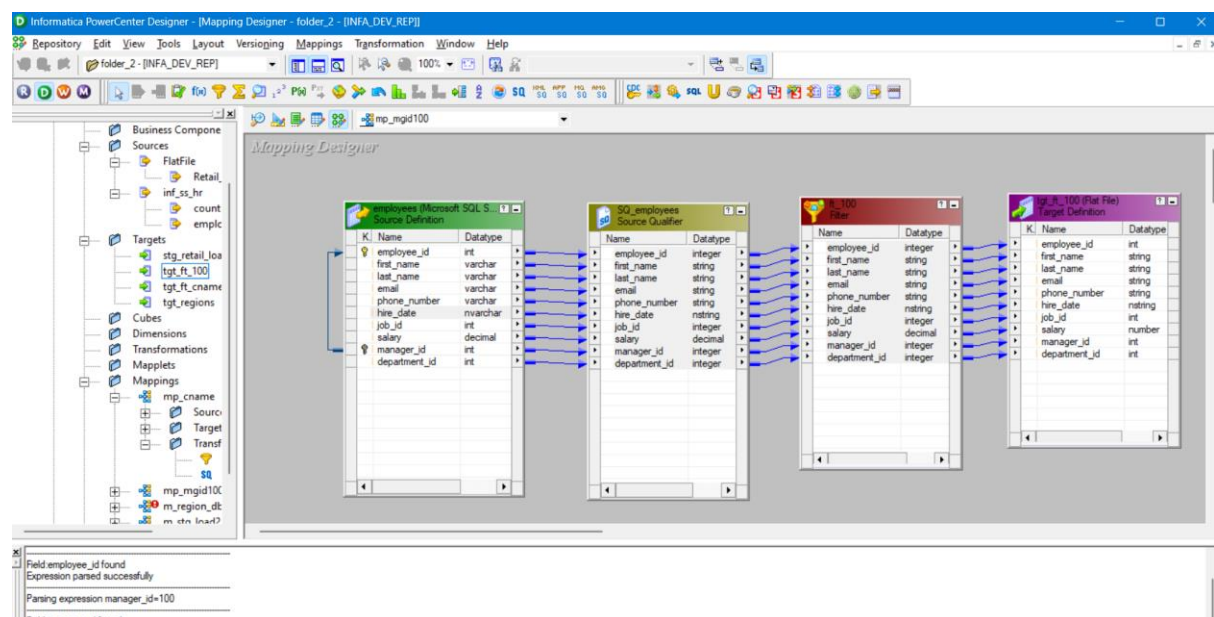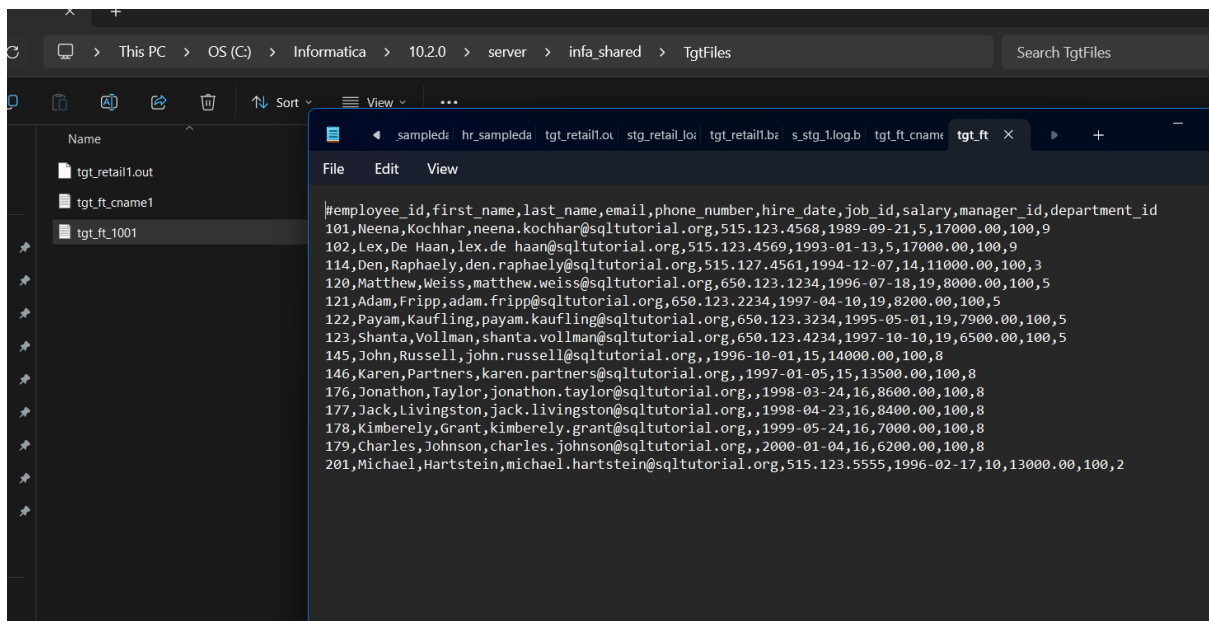
5. Create 3 files for manager_id = 101, 102, 103 using employee table

○ Create separate files from the employee table for each manager_id (101, 102, and 103).

○ This step reinforces skills in conditional extraction for specific IDs.
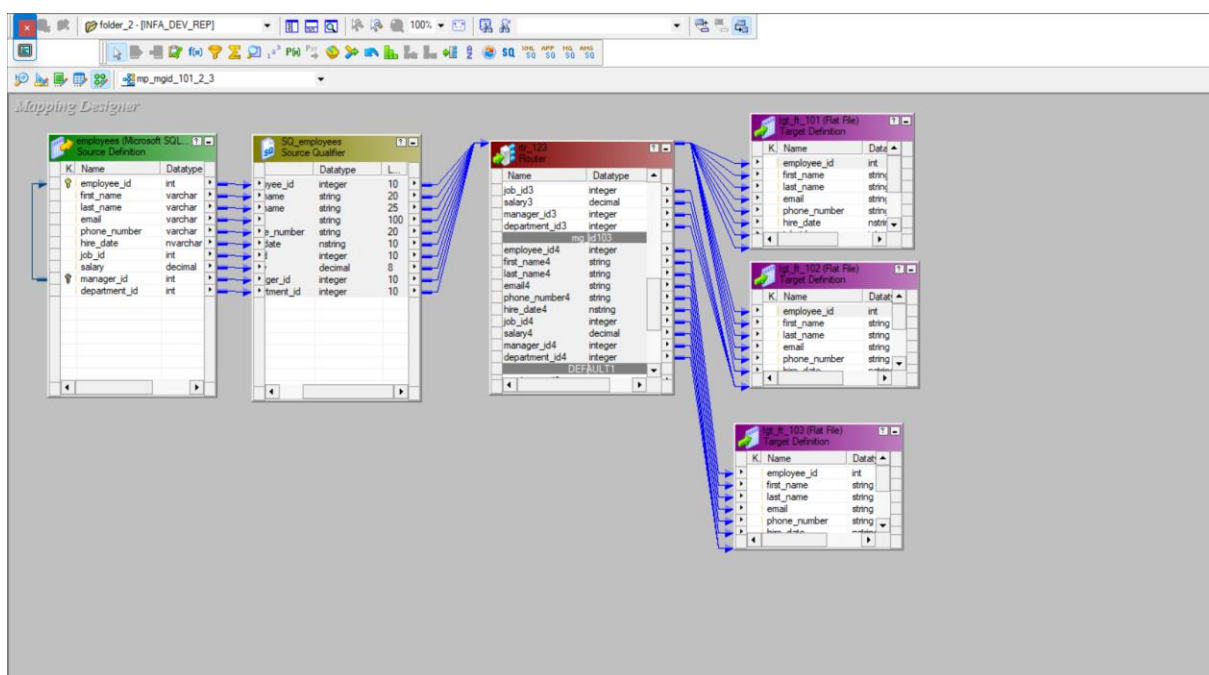
Edit Transformations

Transformation | Ports | Properties | Groups | Metadata Extensions

Select transformation: rtr_123

Transformation type: Router

Group Name	Group Filter Condition
mgid_101	manager_id=101
mgid_102	manager_id=102
mg_id103	manager_id=103
DEFAULT1	

Description: Path for the data when none of the group conditions are satisfied.

OK | Cancel | Apply | Help

Informatica PowerCenter Workflow Manager - [Workflow Designer - folder_2 - [INFA_DEV_REP]]

Repository Edit View Tools Layout Versioning Workflows Tasks Service Connections Window Help

folder_2 - [INFA_DEV_REP]   100'

Task Developer | Worklet Designer | Workflow Designer   wf_mgid_101_2_3

Repositories
- INFA_DEV_REP
  - INF_DEV_INT
  - DEV_FOLDER1
  - folder_2
    - Tasks
    - Sessions
    - Worklets
    - Workflows
      - wf_cname
      - wf_mgid100
      - wf_mgid_101_2_3
      - wf_region
      - wf_stg
  - folder_3

Workflow Designer

Start

ss_mgid_101...

11/12/2024 23:06:25 ** Saving... Repository INFA_DEV_REP, Folder folder_2

Validating the flow semantics of Workflow wf_mgid_101_2_3...
...flow semantics validation completed with no errors.

Validating tasks of Workflow wf_mgid_101_2_3...
...Workflow wf_mgid_101_2_3 tasks validation completed with no errors.

******** Workflow wf_mgid_101_2_3 is VALID ********

Workflow wf_mgid_101_2_3 inserted.

Informatica PowerCenter Workflow Monitor

Repository   Edit   View   Tools   Task   Filters   Help

Workflow Run	Start Time	Completion Time	Status
wf_mgid_101_2_3			
wf_mgid_101_2_3	12-11-2024 23:06:35	12-11-2024 23:06:41	Succeeded
ss_mgid_101_2_3	12-11-2024 23:06:35	12-11-2024 23:06:37	Succeeded

Repositories
INFA_DEV_REP
  INF_DEV_INT
    DEV_FOLD
  folder_2
    wf_mgi

---

tgt_ft

```
#employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id
108,Nancy,Greenberg,nancy.greenberg@sqltutorial.org,515.124.4569,1994-08-17,7,12000.00,101,10
200,Jennifer,Whalen,jennifer.whalen@sqltutorial.org,515.123.4444,1987-09-17,3,4400.00,101,1
203,Susan,Mavris,susan.mavris@sqltutorial.org,515.123.7777,1994-06-07,8,6500.00,101,4
204,Hermann,Baer,hermann.baer@sqltutorial.org,515.123.8888,1994-06-07,12,10000.00,101,7
205,Shelley,Higgins,shelley.higgins@sqltutorial.org,515.123.8080,1994-06-07,2,12000.00,101,11
```

tgt_ft_102.txt

```
#employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id
103,Alexander,Hunold,alexander.hunold@sqltutorial.org,590.423.4567,1990-01-03,9,9000.00,102,6
```

tgt_ft_103.txt

```
#employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id
104,Bruce,Ernst,bruce.ernst@sqltutorial.org,590.423.4568,1991-05-21,9,6000.00,103,6
105,David,Austin,david.austin@sqltutorial.org,590.423.4569,1997-06-25,9,4800.00,103,6
106,Valli,Pataballa,valli.pataballa@sqltutorial.org,590.423.4560,1998-02-05,9,4800.00,103,6
107,Diana,Lorentz,diana.lorentz@sqltutorial.org,590.423.5567,1999-02-07,9,4200.00,103,6
```
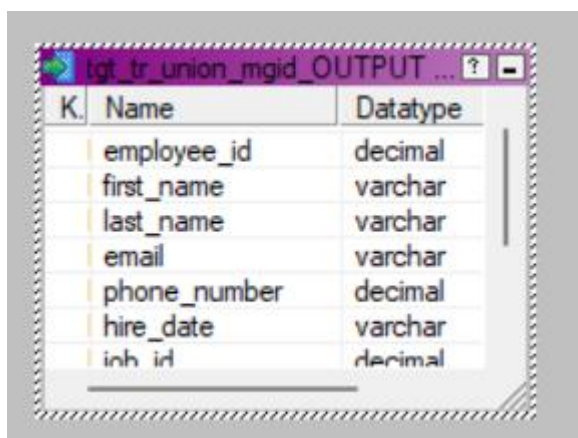
6. Union the files created in Assignment 5 and create a single output file

○ Combine the three files created for manager_id 101, 102, and 103 into a single
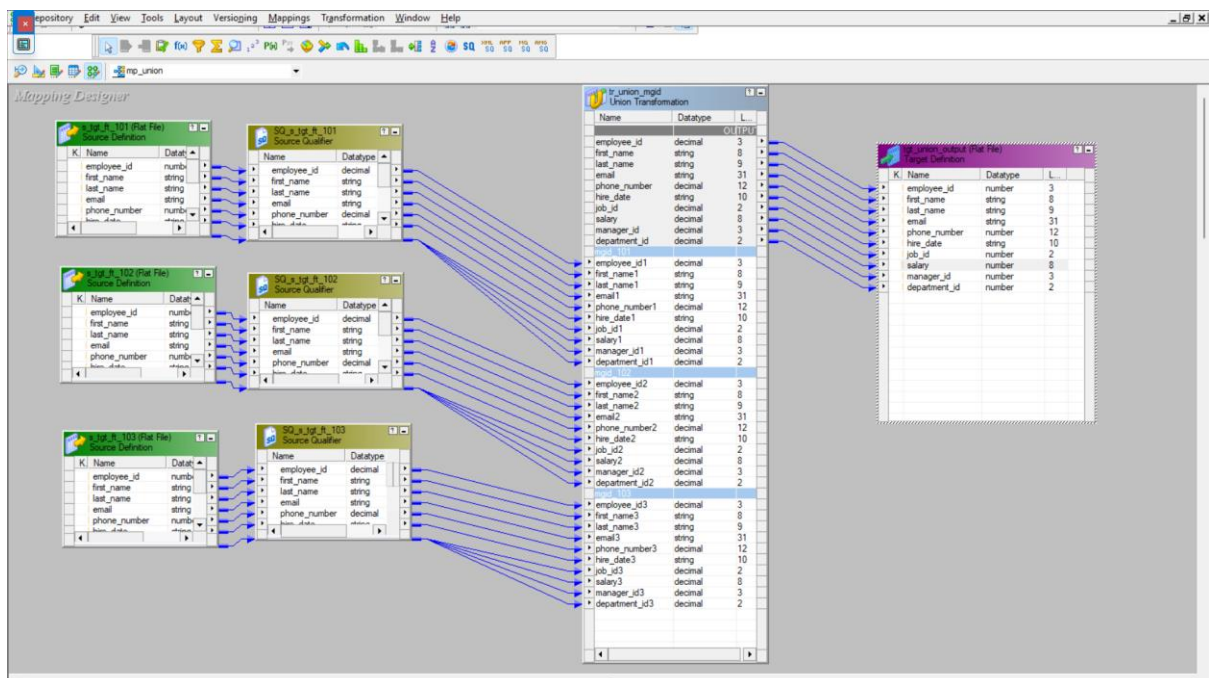
output file using a union operation.

○ This task will test your ability to use union transformations effectively in

Informatica.

Create union file's copy in target as well

Informatica PowerCenter Workflow Manager - [Workflow Designer - folder_2 - [INFA_DEV_REP]]

Repository Edit View Tools Layout Versioning Workflows Tasks Service Connections Window Help

folder_2 - [INFA_DEV_REP]   100'

Task Developer   Worklet Designer   Workflow Designer   wf_union

Workflow Designer

Start

ss_union

Repositories
- INFA_DEV_REP
  - INF_DEV_INT
  - DEV_FOLDER1
  - folder_2
    - Tasks
    - Sessions
    - Worklets
    - Workflows
      - wf_cname
      - wf_mgid100
      - wf_mgid_101_2_3
      - wf_region
      - wf_stg
      - wf_union
  - folder_3

11/12/2024 23:26:18 ** Saving... Repository INFA_DEV_REP, Folder folder_2

Validating the flow semantics of Workflow wf_union...
...flow semantics validation completed with no errors.

Validating tasks of Workflow wf_union...
...Workflow wf_union tasks validation completed with no errors.

******** Workflow wf_union is VALID ********

Workflow wf_union inserted.

Informatica PowerCenter Workflow Monitor

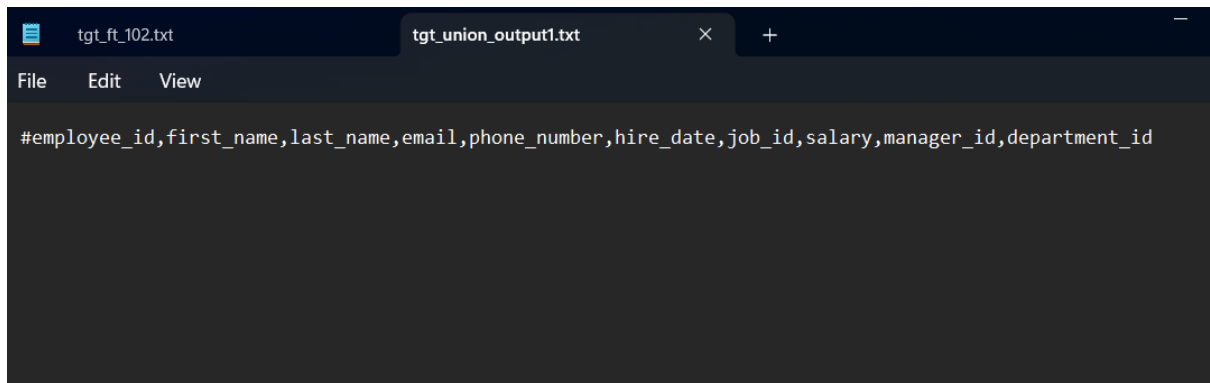Repository Edit View Tools Task Filters Help

1 Hour

Workflow Run	Start Time	Completion Time	Status
wf_union1			
wf_union1	12-11-2024 23:42:54	12-11-2024 23:42:56	Succeeded
ss_union1	12-11-2024 23:42:54	12-11-2024 23:42:55	Succeeded

Repositories
- INFA_DEV_REP
  - INF_DEV_INT
    - DEV_FOLD
    - folder_2
      - wf_unio

#employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id