



# Investors Bank

## Software Requirements Document

### V 1.0



	Prepared By - Associate ID	Approved By
Name	Saurabh Rithe - 2146992 Shantanu Khasale - 21428883 Soumik Sil -2153073 Smriti Sinha - 2153279 Shashank Shekar - 2153265 Shyan Roy Choudhury - 2149499 Sindrela Roy - 2153028	Rajesh Govindaraj
Role	Team Members	Mentor
Date	19-07-2022	





## Table of Contents

### Contents

#### 1 Introduction

##### 1.1 About this document

- 1.1.1 Purpose & Scope of the document
- 1.1.2 Intended Audience

##### 1.2 About the Software System

- 1.2.1 Scope of the system
- 1.2.2 Exclusions
- 1.2.3 System Perspective
- 1.2.4 System Environment
- 1.2.5 Architecture diagram
- 1.2.5 Impact of the System
- 1.2.6 Assumptions, Risks / Constraints
- 1.2.7 Key Technical Requirements:

#### 2 System Requirements

##### 2.1 Functional Requirements –excel mapping

- 2.1.1 Savings Account Module
- 2.1.2 Credit Cards Module
- 2.1.3 Loan – Home, Personal, Vehicle Module
- 2.1.4 Investments – Deposit Accounts, Stocks/Bonds Module
- 2.1.5 Insurance Module

#### 3 Annexure

#### 4 Terms & Conditions

#### 5 Change Log





# 1 Introduction

## 1.1 About this document

### 1.1.1 Purpose & Scope of the document

The purpose of the software requirements document is to systematically capture requirements for the project and the system “Enterprise Data Warehouse for Investors Bank” to be developed. Functional requirements of this system are captured in this document. It also serves as the input for the project scoping.

### 1.1.2 Intended Audience

Project Team

## 1.2 About the Software System

The following section will cover aspects related to Enterprise Data Warehouse for Investors Bank application.

Investors Bank is an Indian multinational banking and financial services company headquartered in Chennai. It is the second largest bank in India by assets and by market capitalization, as of 2014. It offers a wide range of banking products and financial services to corporate and retail customers through a variety of delivery channels and through its specialized subsidiaries in the areas of investment banking, life, non-life insurance, venture capital and asset management. The Bank has a network of 4000 branches and 15,162 ATMs in India, and has a presence in 19 countries.

The following are the modules in this proposed system

- a) Savings Accounts
- b) Credit Cards
- c) Loans – Home, Personal, Vehicle
- d) Investments – Stocks
- e) Health Insurance

### 1.2.1 Scope of the system

The scope of the system is explained through its modules as follows

- **Savings Accounts** – This Module stores the details on account holders (customers), accounts, balance, transactions, debit card and branch.





- **Credit Cards** -- This Module stores the details on credit card holders (customers), balance, payments, transactions, card and merchant.
  - **Loans – Home, Personal, Vehicle**-- This Module maintains the details on loan takers (customers), loans, balance, disbursements, EMI payments, branch, interest rates, etc.
  - **Investments –Stocks** -- This module stores the details on customers holding DMAT accounts, holdings, trading transactions, branch, brokers, stocks and exchanges.
  - **Health Insurance** -- This module stores the details on customers who purchased health insurance from the bank, premium payments, claims, members covered, hospitals, etc.

## 1.2.2 Exclusions

The system will operate only on the modules discussed above and will not include any additional functionality.

### 1.2.3 System Perspective

The Enterprise Data Warehouse for Investors Bank is an independent software system developed to store the history on all activities happening in five departments of the bank – savings accounts, credit cards, loans, stocks and health insurance. The data stored could be subsequently used for reporting.

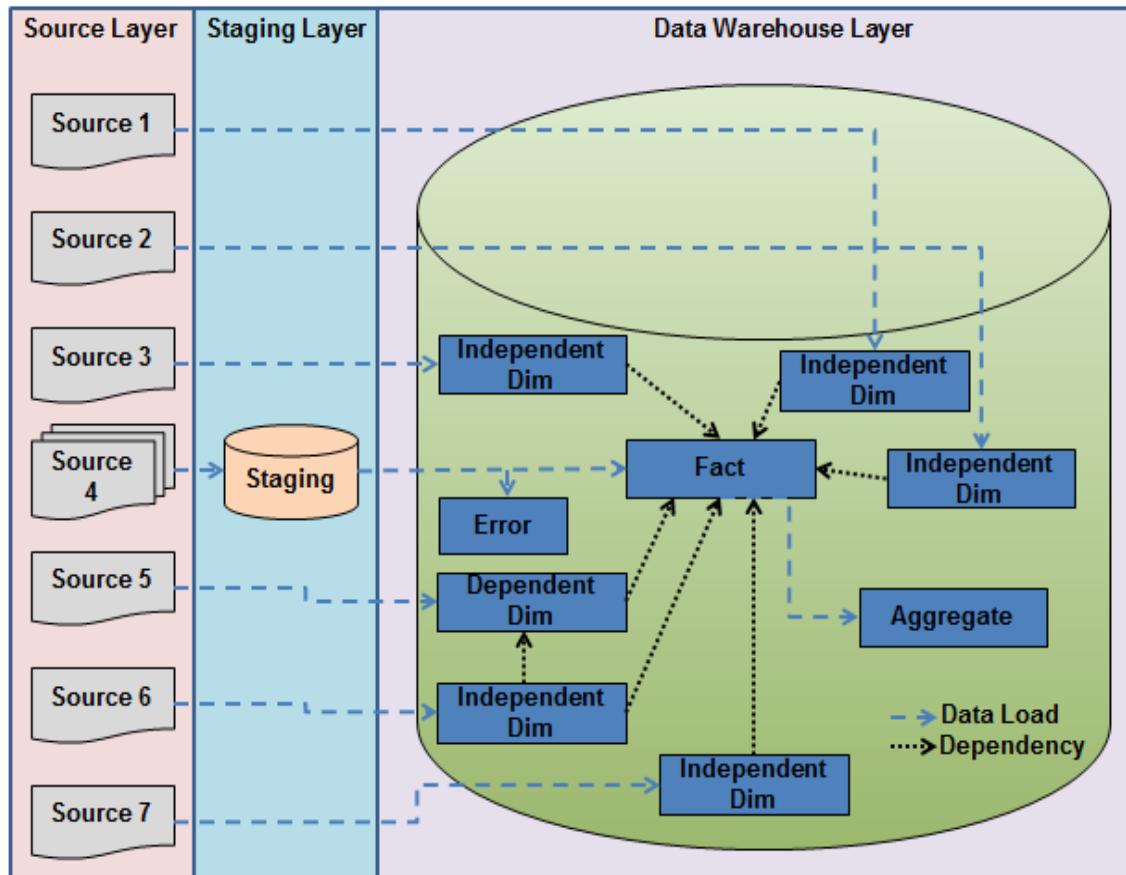
## 1.2.4 System Environment

- The primary focus should be technical aspect of EIM, i.e. data warehousing concepts. Business functions and calculations are secondary.
  - Use lexicons for table/column names for consistency.
  - Common dimensions like customer should be same for all business areas. One of the teams should take care of developing/refreshing common dimensions.
  - DW Data model should be a physical one, i.e. should identify table/column names along with size, primary keys (surrogate keys), business keys and foreign keys.
  - Data model is not required for staging tables. However these tables don't need to have surrogate/foreign keys.
  - Date dimension should be a common one across all business areas.
  - All dimensions and facts should be prefixed with DIM and FCT respectively.
  - Suffix surrogate keys, business keys and foreign keys with SK, BK and FK respectively.
  - Insert and Update Timestamps apart from the start and end dates for dimensions
  - Lexicon for ETL's



## 1.2.5 Architecture diagram

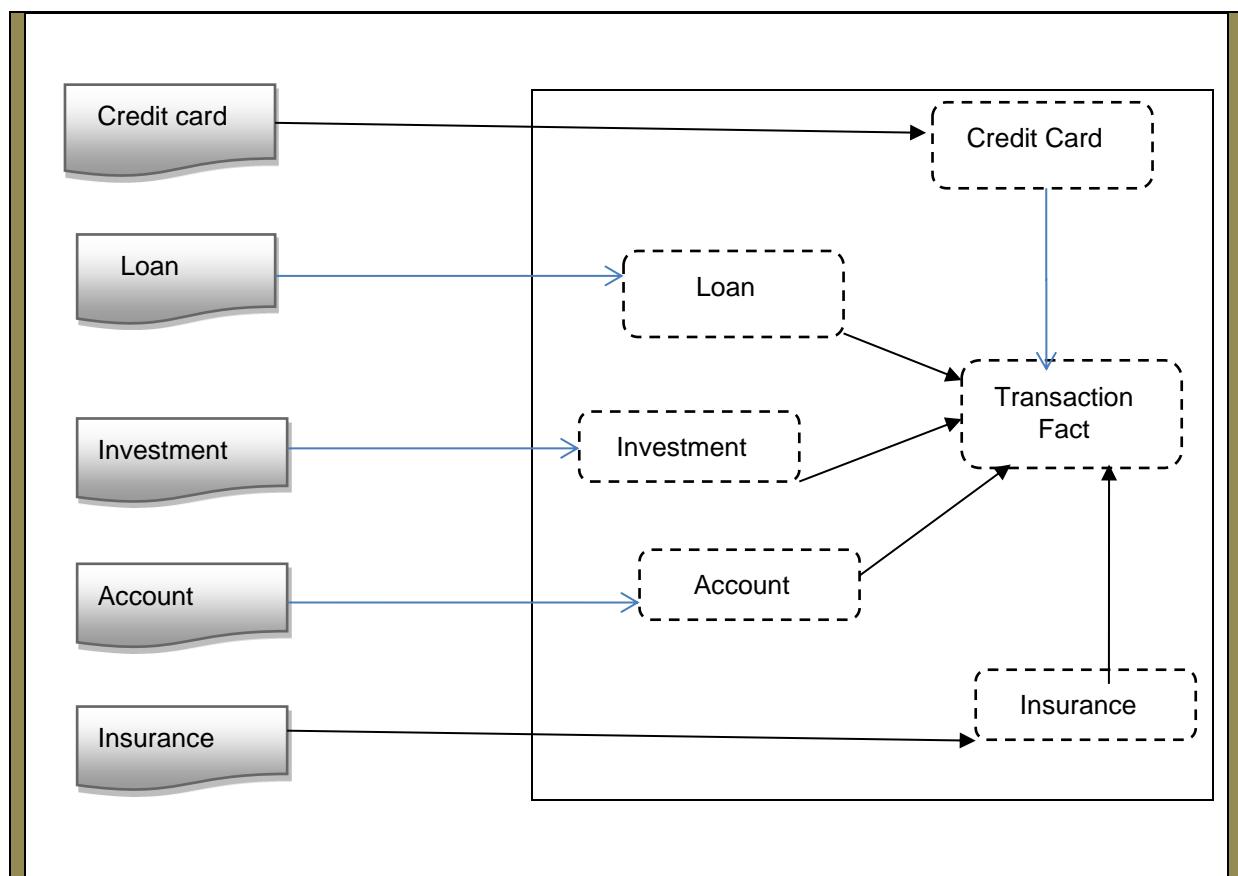
### Physical Architecture:



### Logical Architecture:

The Logical Architecture defines the Processes (the activities and functions) that are required to provide the required User Services. Many different Processes must work together and share information to provide a User Service. The Processes can be implemented via software, hardware, or firmware. The Logical Architecture is independent of technologies and implementations.





## 1.2.5 Impact of the System

The data warehousing system is being developed to enhance the decision support and generating customized reports for Investors Bank.

## 1.2.6 Assumptions, Risks / Constraints

NA-

### **1.2.7 Key Technical Requirements:**

- Oracle is the source for dimensions
  - Use CSV or excel sources for facts
  - Star Schema with SCD type 2 will be used for DW
  - DW tables to be in Oracle





## 2 System Requirements

### 2.1 Functional Requirements –excel mapping

#### 2.1.1 Savings Account Module

Enterprise Data Warehouse for Investors Bank	Savings Account
Functional Requirements	<p>1) Produce report on account details of a customer and to report transactions made by customer (daily, monthly, for given start date-end date) customer details for each branch.</p> <p>2) Dimension Account is used to get the Account Details of the customers of Investors Bank including Personal details.</p>

### Question 1:

#### 1) Transactions Made By Customers

i) Daily Transaction for may month For user Mike Tyson

ii) Monthly Transaction for year 2021 For user Eren Yeager

iii) Transactions for any user where transaction date is between

10/05/2021 and 10/12/2021





## Source File:

Table 1:

Account\_Number, Account\_name, Balance, Transaction\_ID, Transaction\_Date, Aadhar\_Number, SSN, Phone\_No, Branch, Debit\_card

The screenshot shows the Oracle SQL Developer interface with a connection named 'ord1'. A query is run against the 'DIM\_ACCOUNT' table, resulting in 50 rows of data. The columns include ACCOUNT\_NUMBER, ACCOUNT\_NAME, BALANCE, TRANSACTION\_ID, TRANSACTION\_DATE, AADHAR\_NUMBER, SSN, PHONE\_NO, BRANCH, and DEBIT\_CARD. The data includes various account details such as Steven Strange, Yoda, Mike Tyson, and Fran Yaeger, along with their respective transaction history and branch locations.

ACCOUNT_NUMBER	ACCOUNT_NAME	BALANCE	TRANSACTION_ID	TRANSACTION_DATE	AADHAR_NUMBER	SSN	PHONE_NO	BRANCH	DEBIT_CARD
60154174433	Steven Strange	3048168	168320	06-08-2021	187242415523	410304	4545027652	Gurgaon Branch	ISSUED
31457356365	Yoda	21139168	952632	29-07-2021	148275048586	599550	6302323978	Bombay Branch	NOT ISSUED
31457356365	Yoda	21139168	779663	19-07-2021	148275048586	599550	6302323978	Bombay Branch	NOT ISSUED
31457356365	Yoda	21139168	934069	09-07-2021	148275048586	599550	6302323978	Bombay Branch	NOT ISSUED
31457356365	Yoda	21139168	833337	14-11-2021	148275048586	599550	6302323978	Bombay Branch	NOT ISSUED
31457356365	Yoda	21139168	466784	27-09-2021	148275048586	599550	6302323978	Bombay Branch	NOT ISSUED
76882277674	Mike Tyson	23029954	733567	23-09-2021	185745603239	799261	6175212767	Agartala Branch	ISSUED
76882277674	Mike Tyson	23029954	398225	10-05-2021	185745603239	799261	6175212767	Agartala Branch	ISSUED
76882277674	Mike Tyson	23029954	945547	10-05-2021	185745603239	799261	6175212767	Agartala Branch	ISSUED
76882277674	Mike Tyson	23029954	416663	15-05-2021	185745603239	799261	6175212767	Agartala Branch	ISSUED
76882277674	Mike Tyson	23029954	643035	23-05-2021	185745603239	799261	6175212767	Agartala Branch	ISSUED
76882277674	Mike Tyson	23029954	645576	23-05-2021	185745603239	799261	6175212767	Agartala Branch	ISSUED
76882277674	Mike Tyson	23029954	409311	23-05-2021	185745603239	799261	6175212767	Agartala Branch	ISSUED
27911704621	Fran Yaeger	52041149	339841	02-05-2021	148275048586	599550	6302323978	Kolkata Branch	ISSUED

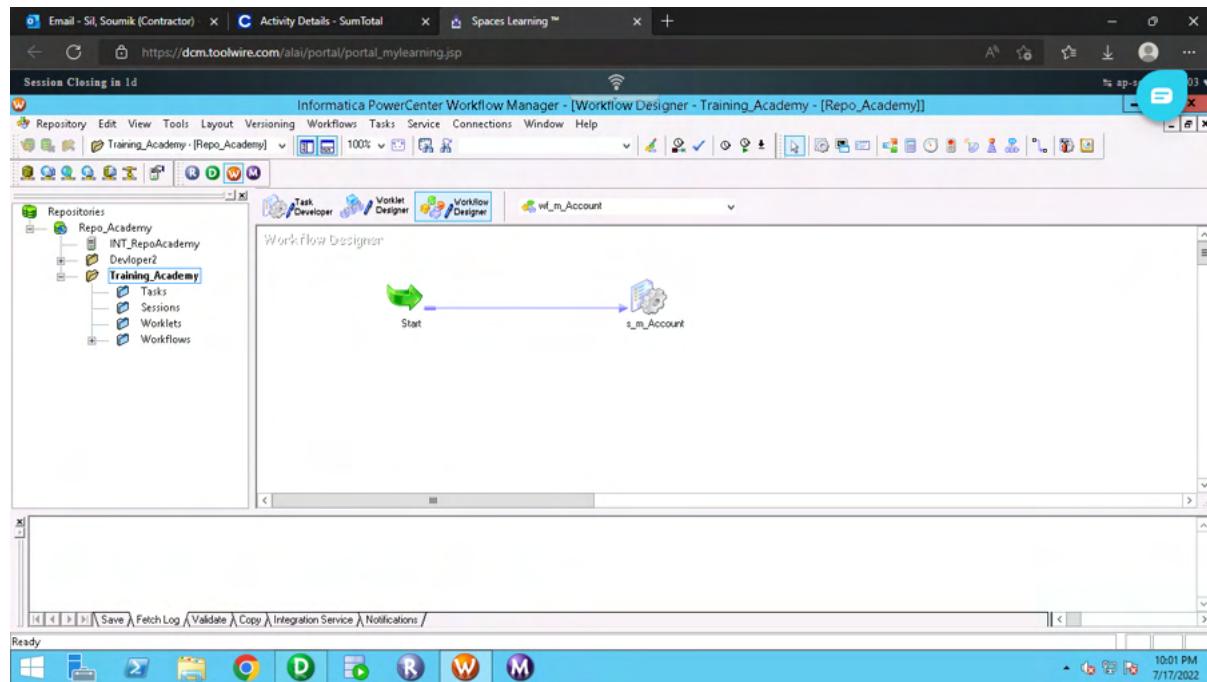
## Mapping:

The screenshot shows the Informatica PowerCenter Designer interface with a mapping named 'm\_Account'. The mapping consists of several components: a 'DIM\_ACCOUNT' source, an 'SQ\_DIM\_ACCT\_UNIT' source, a 'FILTRANS' filter, and three aggregators ('AGGTRANS', 'AGGTRANS1', 'AGGTRANS2') connected to a 'tgt\_1 (Flat File)' target definition. The target definition has columns for Account\_Number, Account\_name, Balance, Transaction\_ID, Transaction\_Date, and Branch. The mapping logic involves extracting data from the source tables and summarizing it using the aggregators before loading it into the target file.

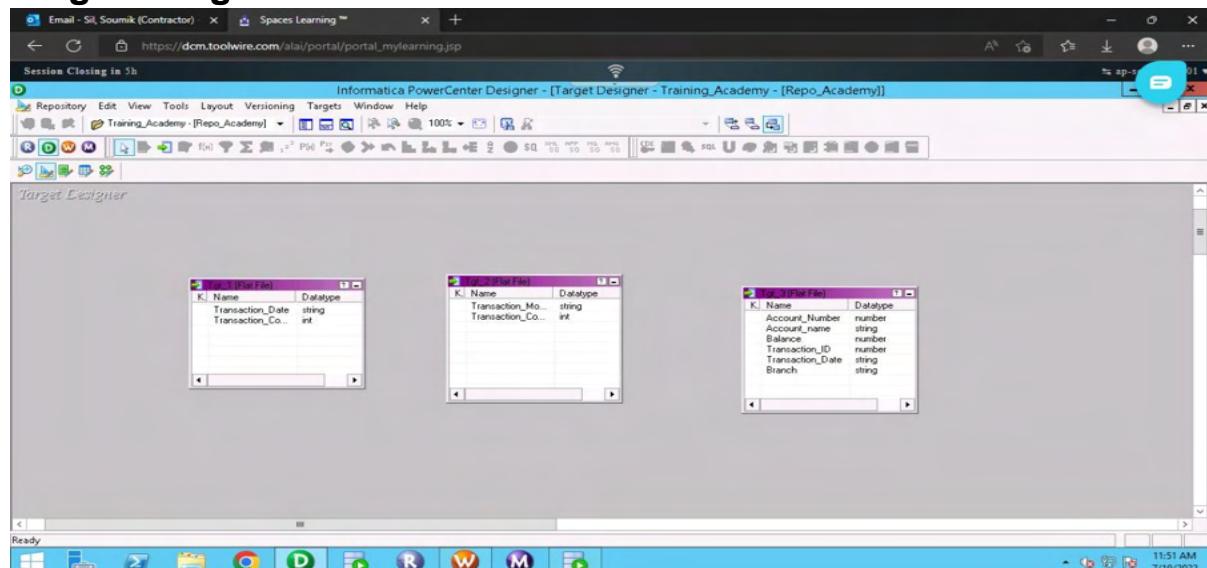




## Workflow:



## Target designer



## Session Log:

```
Log Events for Session: s_m_Account
Save As... Copy Find... Refresh
INFO 7/17/2022 9:58:57 PM node01 Thread: PETL_24005 Message ID: [Sun Jul 17 21:58:57 2022]
INFO 7/17/2022 9:58:57 PM node01 POST-SESS PETL_24091 Thread [POST-SESS] has the ID [10]
INFO 7/17/2022 9:58:57 PM node01 MANAGER PETL_24029 PETL_24029 Post-session tasks completed successfully. [Sun Jul 17 21:58:57 2022]
INFO 7/17/2022 9:58:57 PM node01 MANAGER TM_6023 The session run completed with [0] rows transformation errors.
INFO 7/17/2022 9:58:57 PM node01 MANAGER TE_7216 Deleting cache files [C:\Vnformatica10.1\0\server\vnla_shared\Cache\PMAGG18_7_0_47.dcf] for transformation [AGGTRANS].
INFO 7/17/2022 9:58:57 PM node01 MANAGER TE_7216 Deleting cache files [C:\Vnformatica10.1\0\server\vnla_shared\Cache\PMAGG18_7_0_47.dcf] for transformation [AGGTRANS].
INFO 7/17/2022 9:58:57 PM node01 MANAGER TE_7216 Deleting cache files [C:\Vnformatica10.1\0\server\vnla_shared\Cache\PMAGG18_10_0_47.dcf] for transformation [AGGTRANS].
INFO 7/17/2022 9:58:57 PM node01 MANAGER TE_7216 Deleting cache files [C:\Vnformatica10.1\0\server\vnla_shared\Cache\PMAGG18_10_0_47.dcf] for transformation [AGGTRANS].
INFO 7/17/2022 9:58:57 PM node01 MANAGER PETL_24002 Parallel Pipeline Engine finished.
INFO 7/17/2022 9:58:57 PM node01 DIRECTOR TM_6022 Session run completed successfully.
INFO 7/17/2022 9:58:57 PM node01 DIRECTOR TM_6022
*****SESSION LOAD SUMMARY*****
INFO 7/17/2022 9:58:59 PM node01 DIRECTOR TM_6252 Source Load Summary.
INFO 7/17/2022 9:58:59 PM node01 DIRECTOR CMN_1740 Table [SQ_DIM_ACCOUNT] [Instance Name: [SQ_DIM_ACCOUNT]]
INFO 7/17/2022 9:58:59 PM node01 DIRECTOR TM_6253 Target Load Summary.
INFO 7/17/2022 9:58:59 PM node01 DIRECTOR CMN_1740 Table [T_gl_3] [Instance Name: [T_gl_3]]
INFO 7/17/2022 9:58:59 PM node01 DIRECTOR CMN_1740 Table [T_gl_3] [Instance Name: [T_gl_3]]
INFO 7/17/2022 9:58:59 PM node01 DIRECTOR CMN_1740 Table [T_gl_3] [Instance Name: [T_gl_3]]
INFO 7/17/2022 9:58:59 PM node01 DIRECTOR CMN_1740 Table [T_gl_3] [Instance Name: [T_gl_3]]
INFO 7/17/2022 9:58:59 PM node01 DIRECTOR CMN_1740 Table [T_gl_3] [Instance Name: [T_gl_3]]
INFO 7/17/2022 9:58:59 PM node01 DIRECTOR TM_6023 Output Rows [0], Affected Rows [0], Applied Rows [0], Rejected Rows [0]
INFO 7/17/2022 9:58:59 PM node01 DIRECTOR TM_6020 Session [s_m_Account] completed at [Sun Jul 17 21:58:58 2022].
```





## Result:

### Target file:

Table 1:

Transaction\_Date, Transaction\_Count

```
#Transaction_Date, Transaction_Count
18-05-2021,2
15-05-2021,1
23-05-2021,3
```

Table 2:

Transaction\_Month, Transaction\_count

```
#Transaction_Month, Transaction_Count
April,1
May,2
February,1
January,1
July,1
June,1
March,1
November,2
October,2
```

Table 3:

Account\_Number, Account\_name, Balance, Transaction\_ID, Transaction\_Date, Branch

```
#Account_Number, Account_name, Balance, Transaction_ID, Transaction_Date, Branch
60154174433, Steven Strange, 3084168, 168329, 06-08-2021, Gurgaon Branch
31457356365, Yoda, 21139168, 952632, 29-07-2021, Bombay Branch
31457356365, Yoda, 21139168, 779663, 19-07-2021, Bombay Branch
31457356365, Yoda, 21139168, 934069, 09-07-2021, Bombay Branch
31457356365, Yoda, 21139168, 934069, 09-07-2021, Agartala Branch
31457356365, Yoda, 21139168, 468784, 27-09-2021, Bombay Branch
76882277674, Milke Tyson, 23029954, 733567, 23-09-2021, Agartala Branch
76882277674, Milke Tyson, 23029954, 398225, 18-05-2021, Agartala Branch
76882277674, Milke Tyson, 23029954, 943547, 18-05-2021, Agartala Branch
76882277674, Milke Tyson, 23029954, 643895, 23-05-2021, Agartala Branch
76882277674, Milke Tyson, 23029954, 643895, 23-05-2021, Agartala Branch
76882277674, Milke Tyson, 23029954, 645576, 23-05-2021, Agartala Branch
76882277674, Milke Tyson, 23029954, 409311, 23-05-2021, Agartala Branch
27911794621, Eren Yeager, 524093349, 221696, 09-11-2021, Kolkata Branch
27911794621, Eren Yeager, 524093349, 895271, 19-10-2021, Kolkata Branch
27911794621, Eren Yeager, 524093349, 895271, 14-11-2021, Kolkata Branch
27911794621, Eren Yeager, 524093349, 327852, 24-06-2021, Kolkata Branch
71912866088, Homelander, 30693156, 680493, 29-08-2021, Pune Branch
71912866088, Homelander, 30693156, 680493, 29-08-2021, Pune Branch
71912866088, Homelander, 30693156, 690876, 15-08-2021, Pune Branch
71912866088, Homelander, 30693156, 800694, 08-08-2021, Pune Branch
71912866088, Homelander, 30693156, 993521, 28-07-2021, Pune Branch
71912866088, Homelander, 30693156, 948799, 22-05-2021, Pune Branch
71912866088, Homelander, 30693156, 589172, 25-05-2021, Pune Branch
51041104438, Tony Stark, 457079, 678402, 31-05-2021, Bombay Branch
51041104438, Tony Stark, 457079, 925284, 28-07-2021, Bombay Branch
51041104438, Tony Stark, 457079, 976881, 07-10-2021, Bombay Branch
52646210969, Anakin Skywalker, 55593453, 254558, 09-11-2021, Gurgaon Branch
```





## Question 2:

### No of Customers per branch.

#### Source file:

The screenshot shows the Oracle SQL Developer interface with a connection named 'ord1'. A query is running in the Worksheet tab:

```
SELECT * FROM DIM_ACCOUNT;
```

The results show 50 rows of data from the DIM\_ACCOUNT table. The columns include ACCOUNT\_NUMBER, ACCOUNT\_NAME, TRANSACTION\_ID, TRANSACTION\_DATE, AADHAAR\_NUMBER, SSN, PHONE\_NO, BRANCH, and DEBIT\_CARD. The data includes various account details and their corresponding branches like Gurgaon, Mumbai, and Kolkata.

ACCOUNT_NUMBER	ACCOUNT_NAME	TRANSACTION_ID	TRANSACTION_DATE	AADHAAR_NUMBER	SSN	PHONE_NO	BRANCH	DEBIT_CARD
1	60154174433 Steven Strange	3048166	168320 06-08-2021	187242415523	410304	4545027652	Gurgaon Branch	ISSUED
2	31457356365 Yoda	21139168	952632 29-07-2021	140275048596	599550	6302323978	Bombay Branch	NOT ISSUED
3	31457356365 Yoda	21139168	779663 19-07-2021	140275048596	599550	6302323978	Bombay Branch	NOT ISSUED
4	31457356365 Yoda	21139168	934069 09-07-2021	140275048596	599550	6302323978	Bombay Branch	NOT ISSUED
5	31457356365 Yoda	21139168	033337 14-11-2021	140275048596	599550	6302323978	Bombay Branch	NOT ISSUED
6	31457356365 Yoda	21139168	466784 27-09-2021	140275048596	599550	6302323978	Bombay Branch	NOT ISSUED
7	76882277674 Mike Tyson	23029954	733567 23-09-2021	185745603239	799261	6175212767	Agartala Branch	ISSUED
8	76882277674 Mike Tyson	23029954	398225 10-05-2021	185745603239	799261	6175212767	Agartala Branch	ISSUED
9	76882277674 Mike Tyson	23029954	943547 10-05-2021	185745603239	799261	6175212767	Agartala Branch	ISSUED
10	76882277674 Mike Tyson	23029954	416663 15-05-2021	185745603239	799261	6175212767	Agartala Branch	ISSUED
11	76882277674 Mike Tyson	23029954	643035 23-05-2021	185745603239	799261	6175212767	Agartala Branch	ISSUED
12	76882277674 Mike Tyson	23029954	645576 23-05-2021	185745603239	799261	6175212767	Agartala Branch	ISSUED
13	76882277674 Mike Tyson	23029954	409311 23-05-2021	185745603239	799261	6175212767	Agartala Branch	ISSUED
14	779117046711 Fren Yauner	57401149	710881 07-05-2021	16619507184	715780	3457976536	Kolkata Branch	ISSUED

#### Mapping:

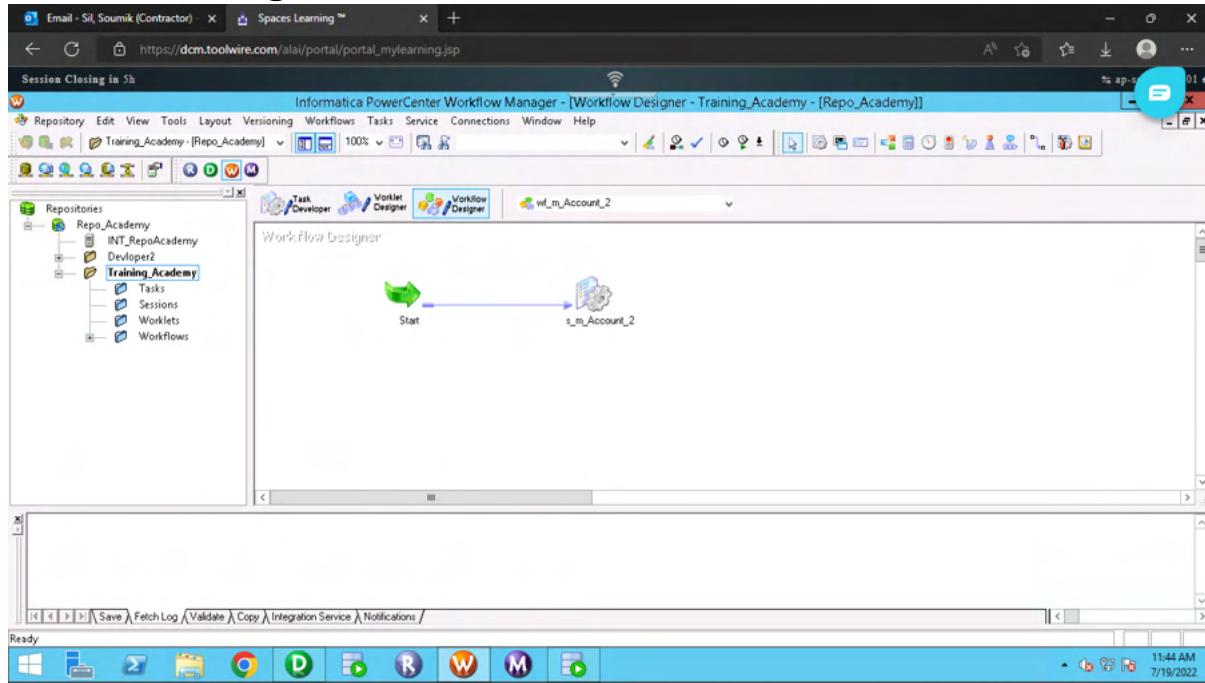
The screenshot shows the Informatica PowerCenter Designer interface with a mapping named 'm\_Account\_2'. The mapping consists of several components:

- SOURCE DEFINITION:** 'DIM\_ACCOUNT (Oracle)' and 'SQ\_DIM\_ACCOUNT Source Qualifier'.
- AGGREGATOR:** 'AGGTRANS Aggregator' which has an expression 'COUNT(\*)'.
- TARGET DEFINITION:** 'tgt\_t (Flat File)' with a target table 'No\_O\_Customers' containing columns 'Branch' and 'No\_O\_Customers'.
- TRANSFORMATIONS:** 'TRITRANS' with two output columns: 'AADHAAR\_NUMBER' and 'BRANCH'.
- Flows:** Data flows from the source tables through the source qualifier and transformation to the aggregator, then to the target definition.





## Workflow Designer:



## Session log:

The screenshot shows the "Log Events for Session: s\_m\_Account\_2" window. The table has columns for Severity, Timestamp, Node, Thread, Message Code, and Message. The log details the session's execution, including tasks like MAPPING, DIRECTOR, and WRITER, and their corresponding messages such as "The index cache size that would hold [6] aggregate groups of input rows for [AGGTRANS] in memory, is [4200] bytes" and "Session completed at [Tue Jul 19 11:45:06 2022]". The bottom status bar shows the session closing in 5h.

Severity	Timestamp	Node	Thread	Message Code	Message
INFO	7/19/2022 11:45:05 AM	node01	MAPPING	CMN_1791	The index cache size that would hold [6] aggregate groups of input rows for [AGGTRANS] in memory, is [4200] bytes
INFO	7/19/2022 11:45:05 AM	node01	MAPPING	CMN_1790	The data cache size that would hold [6] aggregate groups of input rows for [AGGTRANS] in memory, is [536] bytes
INFO	7/19/2022 11:45:05 AM	node01	MANAGER	PETL_24005	PETL_24005 Starting post-session tasks. : [Tue Jul 19 11:45:05 2022]
INFO	7/19/2022 11:45:05 AM	node01	POST-SESS	PETL_24091	Thread [POST-SESS] has the ID [9]
INFO	7/19/2022 11:45:05 AM	node01	MANAGER	PETL_24029	PETL_24029 Post-session task completed successfully. : [Tue Jul 19 11:45:05 2022]
INFO	7/19/2022 11:45:05 AM	node01	MAPPING	TM_6018	The session completed with [0] row transformation errors.
INFO	7/19/2022 11:45:05 AM	node01	MANAGER	TE_7216	Deleting cache files [C:\Informatica\10.1.0\server\vinla_shared\Cache\PMAGG20_7_0_54.idx] for transformation [AGGTRANS].
INFO	7/19/2022 11:45:05 AM	node01	MANAGER	TE_7216	Deleting cache files [C:\Informatica\10.1.0\server\vinla_shared\Cache\PMAGG20_7_0_54.dat] for transformation [AGGTRANS].
INFO	7/19/2022 11:45:05 AM	node01	WRITER_1_1	WRT_2043	*****END LOAD SESSION*****
INFO	7/19/2022 11:45:05 AM	node01	WRITER_1_1	WRT_2006	Writer run completed.
INFO	7/19/2022 11:45:05 AM	node01	MANAGER	PETL_24031	***** RUN INFO FOR TGT LOAD ORDER GROUP 11 CONCURRENT EFT 11 ***** SESSION LOAD SUMMARY *****
INFO	7/19/2022 11:45:06 AM	node01	DIRECTOR	TM_6252	Source Load Summary
INFO	7/19/2022 11:45:06 AM	node01	DIRECTOR	CMN_1740	Table: [SO_DIM_ACCOUNT] [Instance Name: [SO_DIM_ACCOUNT]] Output Rows [87], Affected Rows [87], Applied Rows [87], Rejected Rows [0]
INFO	7/19/2022 11:45:06 AM	node01	DIRECTOR	TM_6253	Target Load Summary
INFO	7/19/2022 11:45:06 AM	node01	DIRECTOR	CMN_1740	Table: [Tgt_4] [Instance Name: [Tgt_4]] Output Rows [6], Affected Rows [6], Applied Rows [6], Rejected Rows [0]
INFO	7/19/2022 11:45:06 AM	node01	DIRECTOR	TM_6023	*****
INFO	7/19/2022 11:45:06 AM	node01	DIRECTOR	TM_6020	Session [s_m_Account_2] completed at [Tue Jul 19 11:45:06 2022].



## Result:

### Target file :

The screenshot displays two windows side-by-side. The left window is the 'Informatica PowerCenter Designer - [Target Designer - Training\_Academy - [Repo\_Academy]]' interface. It shows a tree view of the repository structure under 'Training\_Academy', including 'Business Components', 'Sources', 'Targets', 'Cubes', 'Dimensions', 'Transformations', 'Mapplets', and 'Mappings'. A specific target named 'EMP\_DECRYPT' is selected, and its details are shown in a table titled 'Tgt\_4 [Flat File]'. The table has columns 'Name' and 'Datatype', with entries 'Branch' (string) and 'No\_Ol\_Customers' (int). The right window is a 'tgt\_4.csv - Notepad' window showing the following CSV data:

	Name	Datatype
1	Branch	string
2	No_Ol_Customers	int

```
#Branch,No_Ol_Customers
Agartala Branch,2
Bombay Branch,3
Gungao Branch,3
Kolkata Branch,2
NCR Branch,3
Pune Branch,2
```

The system status bar at the bottom indicates 'Session Closing in 5h' and the date '7/19/2022'.





## 2.1.2 Credit Cards Module

Enterprise Data Warehouse for Investors Bank	Credit Cards
Functional Requirements	<ul style="list-style-type: none"> <li>1) Report credit card details of customers and to fetch the card details of a customer, monthly bill for a credit card number, customer details who have overdue</li> <li>2) To display customer details based on           <ul style="list-style-type: none"> <li>i) Card type</li> <li>ii) Credit limit range</li> </ul> </li> <li>3) To verify the credit card validity.</li> <li>4) Dimension credit is used to get the credit card information of customers.</li> </ul>

### Source file:

Credit\_Cards.csv - Notepad

```

File Edit Format View Help
Card_Number,Card_Name,Account
Number,Credit_Limit,Expiry_Date,Balance,Credit_Limit,SSN,Transaction_Type,Transaction_Amount,Transaction_ID,Transaction_Date,Transaction_ID,Latest_Transaction,Monthly_Bill_date,Card_Type,Du
e_Amount
5132991124440950,Eren Yeager,27911704621,100000,10-10-2021,85000,715780,Deposit,15000,05-06-2021,66576578Y,05-06-2021,Premium,0
5132991124440950,Eren Yeager,27911704621,100000,10-10-2021,85000,715780,Withdraw,5000,25-05-2021,14287687N,05-06-2021,Premium,0
5132991124440950,Eren Yeager,27911704621,100000,10-10-2021,90000,715780,Withdraw,10000,18-05-2021,28242615N,05-06-2021,Premium,0
9836997958251010,Leah Organa,91148348256,50000,01-03-2026,25000,670918,Withdraw,10000,05-06-2021,29388795Y,05-06-2021,Master,500
9836997958251010,Leah Organa,91148348256,50000,01-03-2026,35000,670918,Withdraw,15000,02-05-2021,38418943N,05-06-2021,Master,0
4144422208245250,Mike Tyson,76882277674,50000,06-01-2028,20000,799261,Deposit,30000,07-07-2021,25735650Y,05-06-2021,Master,300
4144422208245250,Mike Tyson,76882277674,50000,06-01-2028,50000,799261,Deposit,5000,01-06-2021,36741085N,05-06-2021,Master,450
4144422208245250,Mike Tyson,76882277674,50000,06-01-2028,10000,799261,Withdraw,10000,08-05-2021,48886343N,05-06-2021,Master,0
4144422208245250,Mike Tyson,76882277674,50000,06-01-2028,20000,799261,Withdraw,30000,12-06-2021,25735650N,05-06-2021,Master,0
6596443509187070,Naruto,67848193986,25000,15-07-2025,20000,209618,Withdraw,5000,13-05-2021,47784478Y,05-06-2021,Elite,200
6868219723972770,Natasha Romanoff,92876954399,25000,17-09-2028,15000,182704,Deposit,5000,03-06-2021,41057167N,05-06-2021,Elite,0
6868219723972770,Natasha Romanoff,92876954399,25000,17-09-2028,20000,182704,Withdraw,30000,16-05-2021,21993694N,05-06-2021,Elite,0
6868219723972770,Natasha Romanoff,92876954399,25000,17-09-2028,23000,182704,Withdraw,20000,12-05-2021,24945644N,05-06-2021,Elite,0
5793348967362000,Paul Reed,24270349198,60000,06-07-2025,60000,357135,Deposit,5000,04-06-2021,60468824Y,05-06-2021,Master,0
5793348967362000,Paul Reed,24270349198,60000,06-07-2025,55000,357135,Withdraw,2000,23-05-2021,21005013N,05-06-2021,Master,0
5793348967362000,Paul Reed,24270349198,60000,06-07-2025,57000,357135,Withdraw,3000,19-05-2021,32608867N,05-06-2021,Master,0
431849552686030,Sherlock Holmes,100000,06-01-2022,80000,144995,Withdraw,20000,10-05-2021,53612131Y,05-06-2021,Premium,500
9879636922393970,Steven Strange,60154174433,100000,25-12-2030,98000,410394,Withdraw,20000,06-06-2021,71519876Y,05-06-2021,Premium,500
7932726984988250,Tony Stark,51841104438,100000,01-12-2028,90000,364880,Withdraw,10000,07-06-2021,45918939Y,05-06-2021,Premium,500
4369501958201810,Yoda,31457356365,50000,28-06-2028,40000,599550,Withdraw,10000,19-05-2021,28773121Y,05-06-2021,Master,100

```

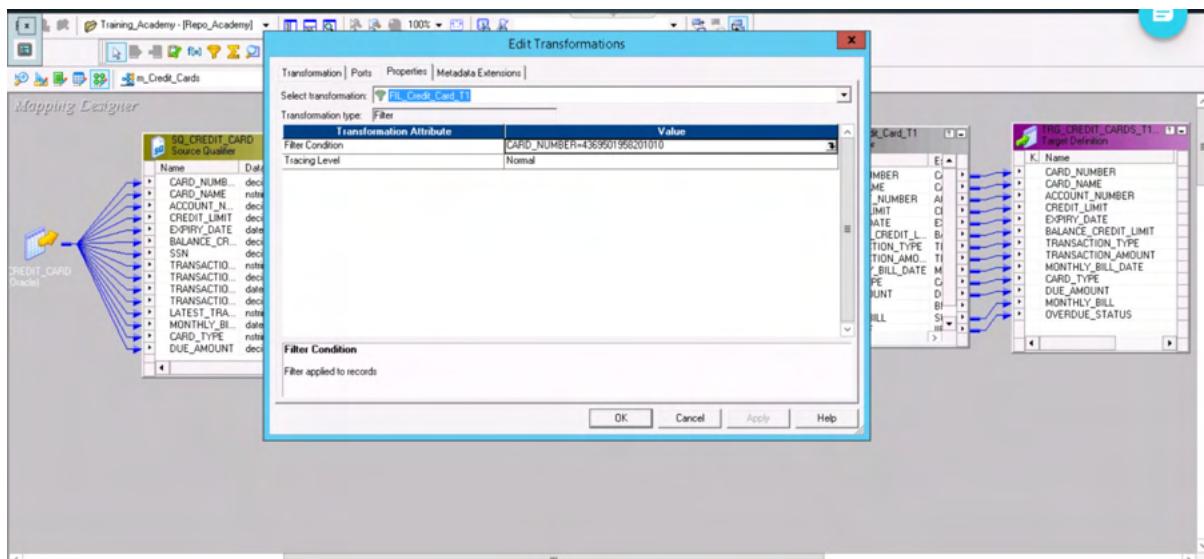
CARD_NUMBER	CARD_NAME	ACCOUNT_NUM...	CREDIT_LI...	EXPIRY_DATE	BALAN...	SSN	TRANSA...	TRANSACTION_ID	TRANSACTION_DATE	LATEST...	MONTHLY_BILL_DATE	CARD_TYPE	DU...
1 5132991124440950	Eren Yeager	27911704621	100000	10-0CT-21	85000	715780	Deposit	15000	05-JUN-21	66576578 Y	05-JUN-21	Premium	0
2 5132991124440950	Eren Yeager	27911704621	100000	10-0CT-21	85000	715780	Withdraw	5000	25-MAY-21	14287687 N	05-JUN-21	Premium	0
3 5132991124440950	Eren Yeager	27911704621	100000	10-0CT-21	90000	715780	Withdraw	10000	18-MAY-21	28242615 N	05-JUN-21	Premium	0
4 9036997958251010	Leah Organa	91148348256	50000	01-MAR-26	25000	670918	Withdraw	10000	05-JUN-21	29388795 Y	05-JUN-21	Master	500
5 9036997958251010	Leah Organa	91148348256	50000	01-MAR-26	35000	670918	Withdraw	15000	02-MAY-21	38418943 N	05-JUN-21	Master	0
6 4144422208245250	Mike Tyson	76882277674	50000	06-01-2028	50000	799261	Deposit	30000	07-07-2021	25735650 Y	05-JUN-21	Master	300
7 4144422208245250	Mike Tyson	76882277674	50000	06-01-2028	50000	799261	Deposit	5000	01-JUN-21	36741085 N	05-JUN-21	Master	450
8 4144422208245250	Mike Tyson	76882277674	50000	06-01-2028	10000	799261	Withdraw	10000	08-MAY-21	40886343 N	05-JUN-21	Master	0
9 6996443509187070	Naruto	67848193986	25000	15-JUL-25	20000	209618	Withdraw	5000	13-MAY-21	47784478 Y	05-JUN-21	Elite	200
10 6868219723972770	Natasha ...	92070954399	25000	17-SEP-28	15000	182704	Deposit	5000	03-JUN-21	41057167 Y	05-JUN-21	Elite	0
11 6868219723972770	Natasha ...	92070954399	25000	17-SEP-28	20000	182704	Withdraw	3000	16-MAY-21	21993694 N	05-JUN-21	Elite	0
12 6868219723972770	Natasha ...	92070954399	25000	17-SEP-28	23000	182704	Withdraw	2000	12-MAY-21	24945644 N	05-JUN-21	Elite	0
13 5793348967362000	Paul Reed	24270349198	60000	06-JUL-25	60000	357135	Deposit	5000	04-JUN-21	60468824 Y	05-JUN-21	Master	0



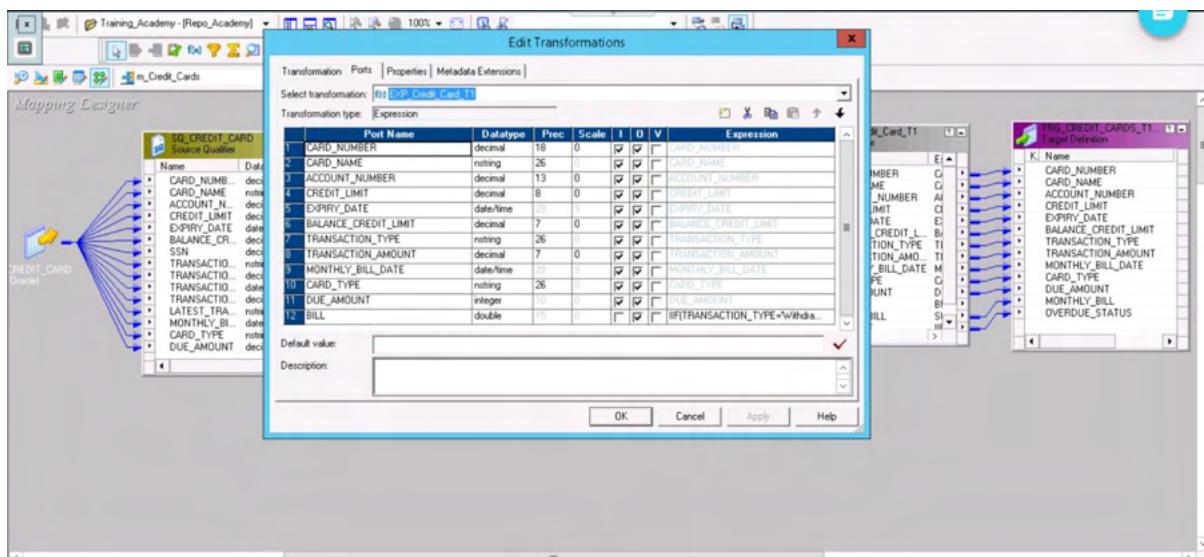


## Question1

### Mapping:



### Transformation:





## Controlled copy

## Software Requirements Document

Mapping Designer

Source Qualifier: SQL\_CREDIT\_CARD

Target Definition: TRG\_CREDIT\_CARDS\_T1

Expression Editor: BILL - EXP\_Credit\_Card\_T1 (Expression)

```
IF(TRANSACTION_TYPE='Withdraw',  
TRANSACTION_AMOUNT,0)+DUE_AMOUNT
```

Functions in the All Functions group:

- All Functions
- Aggregate
- Character
- Conversion
- Data Cleansing
- Date
- Encoding
- Financial
- Numerical
- Scientific
- Special
- Test
- User Defined Functions
- Variables

OK Cancel Validate Comments Help

Mapping Designer

Source Qualifier: SQL\_CREDIT\_CARD

Target Definition: TRG\_CREDIT\_CARDS\_T1

Edit Transformations

Select transformation: AGG\_Credit\_Card\_T1

Transformation type: Aggregator

Port Name	Datatype	Prec	Scale	I	V	Expression	Groupby
ACCOUNT_NUMBER	decimal	13	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	CARD_NUMBER	
CREDIT_LIMIT	decimal	8	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	CREDIT_LIMIT	
EXPIRY_DATE	date/time	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EXPIRY_DATE	
BALANCE_CREDIT_LIMIT	decimal	7	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BALANCE_CREDIT_LIMIT	
TRANSACTION_TYPE	string	26	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	TRANSACTION_TYPE	
TRANSACTION_AMOUNT	decimal	7	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	TRANSACTION_AMOUNT	
MONTHLY_BILL_DATE	date/time	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MONTHLY_BILL_DATE	
CARD_TYPE	string	26	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	CARD_TYPE	
DUE_AMOUNT	integer	10	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DUE_AMOUNT	
BILL	double	15	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BILL	
MONTH_BILL	double	15	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MONTH_BILL	
OVERDUE	string	10	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OVERDUE	

Default value:

Description:

OK Cancel Apply Help

Expression parsed successfully!

Mapping Designer

Source Qualifier: SQL\_CREDIT\_CARD

Target Definition: TRG\_CREDIT\_CARDS\_T1

Expression Editor: OVERDUE - AGG\_Credit\_Card\_T1 (Expression)

```
IF(DUE_AMOUNT=0, 'NO', 'YES')
```

Functions in the All Functions group:

- All Functions
- Aggregate
- Character
- Conversion
- Data Cleansing
- Date
- Encoding
- Financial
- Numerical
- Scientific
- Special
- Test
- User Defined Functions

OK Cancel Validate Comments Help



## Target Designer:

The screenshot shows the 'Target Designer' interface in Informatica PowerCenter Designer. On the left, a tree view displays various target objects under the 'Targets' category. In the center, a table titled 'm\_Credit\_Cards\_T1 (Partial File)' lists columns and their data types. Below the table, a message indicates that the mapping was parsed successfully and updated.

K.	Name	Datatype
CARD_NUMBER	number	18
CARD_NAME	string	26
ACCOUNT_NUM	number	13
CREDIT_LIMIT	number	8
EXPIRY_DATE	datetime	29
BALANCE_CHE	number	7
TRANSACTION	string	10
TRANSACTION_	number	7
MONTHLY_BIL	datetime	29
CARD_TYPE	string	26
DU_AMOUNT	number	5
MONTHLY_BILL	number	10
OVERDUE_ST...	string	10

Message log:  
Parsing mapping m\_Credit\_Cards...  
- parsing completed with no errors.  
\*\*\*\*\* Mapping m\_Credit\_Cards is VALID \*\*\*\*\*  
mapping m\_Credit\_Cards updated.

The screenshot shows the 'Task Developer' interface in Informatica PowerCenter Workflow Manager. A single task icon, labeled 's\_Credit\_Card\_T...', is visible in the workspace. The status bar at the bottom indicates the task is ready.

## Workflow Manager:

The screenshot shows the 'Workflow Designer' interface in Informatica PowerCenter Workflow Manager. It displays a workflow named 'wf\_Credit\_Card\_T1'. The workflow starts with a 'Start' node, which has a single outgoing arrow pointing to a task node represented by a blue cube icon. The status bar at the bottom indicates the workflow is valid.

Message log:  
7/19/2022 1:42:15 PM \*\*Validating Workflow wf\_Credit\_Card\_T1  
Validating the flow semantics of Workflow wf\_Credit\_Card\_T1...  
flow semantics validation completed with no errors.  
Validating tasks of Workflow wf\_Credit\_Card\_T1...  
Workflow wf\_Credit\_Card\_T1 tasks validation completed with no errors.  
\*\*\*\*\* Workflow wf\_Credit\_Card\_T1 is VALID \*\*\*\*\*





**Edit Tasks**

Select task: *s\_Credit\_Card\_T1*

Task type: Session (Reusable)

**Writers**

Instance	Writers
TRG_CREDIT_CARDS_T1	File Write

**Connections**

Type	Value	Connections
None		

**Properties**

Attribute	Value	UnOverride
Footer Command		
Output Type	File	
Output file directory	C:\Users\Administrator\Desktop\2146992_SR_Project\Project\TRG\	Revert
Output filename	tg_credit_cards_t1.csv	
Reject file directory	\$PMBadFileDir\	

**Output filename**

Output file name:

OK Cancel Apply Help

**Informatica PowerCenter Workflow Monitor**

Repository Edit View Tools Task Filters Help

Workflow Run Start Time Completion Time Status

wf_Credit_Card_T1	7/19/2022 1:44:11 PM	7/19/2022 1:44:16 PM	Succeeded
wf_Credit_Card_T1	7/19/2022 1:44:11 PM	7/19/2022 1:44:14 PM	Succeeded
t_Credit_Card_T1			
wf_Credit_Card_T1			

Gantt Chart Task View

Ready

```
SESSION LOAD SUMMARY
-----
INFO 7/19/2022 1:44:14 PM node01 DIRECTOR TM_6252 Source Load Summary
INFO 7/19/2022 1:44:14 PM node01 DIRECTOR OMN_1740 Table [SO_CREDIT_CARD] [Instance Name: [SO_CREDIT_CARD]]
INFO 7/19/2022 1:44:14 PM node01 DIRECTOR TM_6253 Target Load Summary
INFO 7/19/2022 1:44:14 PM node01 DIRECTOR OMN_1740 Table [TRG_CREDIT_CARDS_T1] [Instance Name: [TRG_CREDIT_CARDS_T1]]
INFO 7/19/2022 1:44:14 PM node01 DIRECTOR TM_6023 Output Rows[1], Affected Rows[1], Applied Rows[1], Rejected Rows[0]
-----
INFO 7/19/2022 1:44:14 PM node01 DIRECTOR TM_6020 Session [t_Credit_Card_T1] completed at [Tue Jul 19 13:44:14 2022]
```

## Output:

Card_Number	Expected_Result	Actual_Result
4369501958201010	Should display monthly bill, overdue status for card number	Details for given card number and monthly bill as 10100, and overdue status as "YES"
5132991124440950	Should display monthly bill, overdue status for card number	Details for given card number and monthly bill as 15000, and overdue status as "NO"





trg\_credit\_cards\_t1.csv - Notepad

```
#CARD_NUMBER,CARD_NAME,ACCOUNT_NUMBER,CREDIT_LIMIT,EXPIRY_DATE,BALANCE_CREDIT_LIMIT,TRANSACTION_TYPE,TRANSACTION_AMOUNT,MONTHLY_BILL_DATE,CARD_TYPE,DUE_AMOUNT,MONTHLY_BILL,OVERDUE_STATUS
4369501958201010,Yoda,31457356365,50000,28-06-2028,40000,Withdraw,10000,05-06-2021,Master,100,10100.00,YES
```

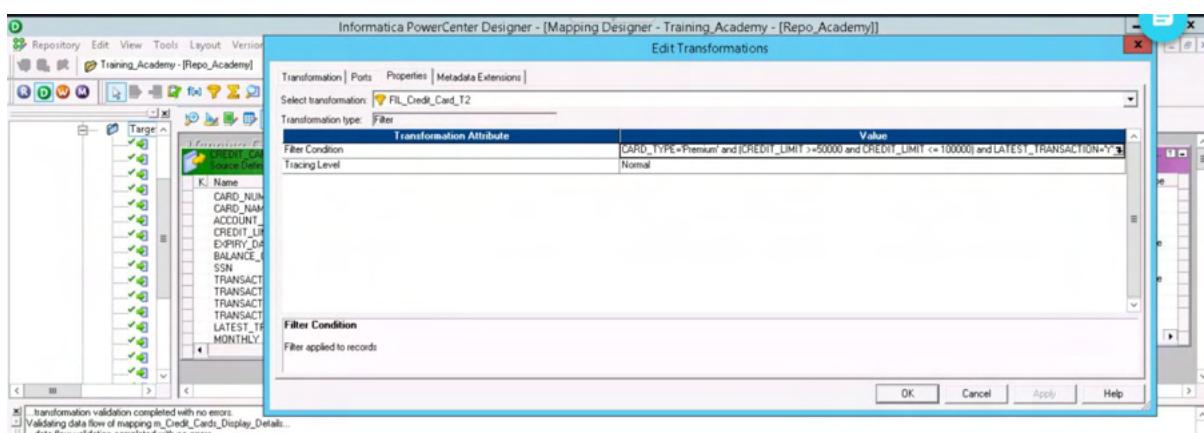
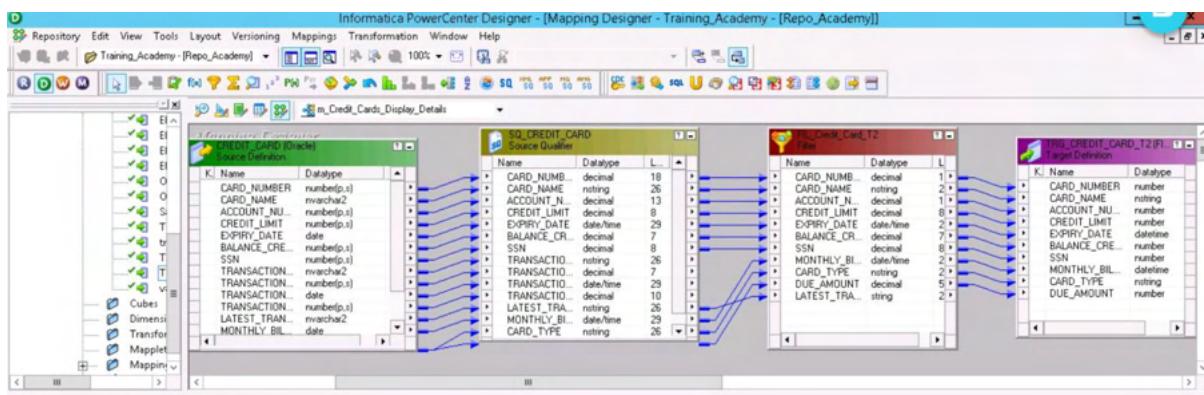
  

trg\_credit\_cards\_t1.csv - Notepad

```
#CARD_NUMBER,CARD_NAME,ACCOUNT_NUMBER,CREDIT_LIMIT,EXPIRY_DATE,BALANCE_CREDIT_LIMIT,TRANSACTION_TYPE,TRANSACTION_AMOUNT,MONTHLY_BILL_DATE,CARD_TYPE,DUE_AMOUNT,MONTHLY_BILL,OVERDUE_STATUS
S132991124440950,Eren Yeager,27911704621,100000,18-10-2021,90000,Withdraw,10000,05-06-2021,Premium,0,15000.00,NO
```

## Question2:

### Mapping:





## Target Designer:

The screenshot shows the 'Target Designer' interface in Informatica PowerCenter Designer. On the left, there is a tree view of various objects like 'EMP\_DEPT\_TGT\_40', 'EMP\_DEPT\_TGT\_50', etc. The main panel displays a table for 'TRG\_CREDIT\_CARD\_T2 [File File]'. The table has columns: K, Name, Datatype, and L. The data is as follows:

K	Name	Datatype	L
	CARD_NUMBER	number	18
	CARD_TYPE	string	26
	ACCOUNT_NUM	number	10
	CREDIT_LIMIT	number	8
	EXPIRY_DATE	datetime	29
	BALANCE_CRE...	number	7
	SSN	number	8
	MONTHLY_BIL...	datetime	29
	CARD_TYPE	string	26
	DU_AMOUNT	number	5

## Workflow Manager:

The screenshot shows the 'Task Developer' interface in Informatica PowerCenter Workflow Manager. The left sidebar shows a tree structure with 'Training\_Academy' selected. The main area displays a task icon labeled 'wf\_Credit\_Card\_T2'.

## Workflow designer:

The screenshot shows the 'Workflow Designer' interface in Informatica PowerCenter Workflow Manager. The left sidebar shows a tree structure with 'Training\_Academy' selected. The main area displays a workflow diagram. It starts with a green 'Start' node, which has a blue arrow pointing to a task node labeled 'wf\_Credit\_Card\_T2'.





## Controlled copy

## Software Requirements Document

The screenshot shows the 'Edit Tasks' window for a 'Controlled copy' task. The task is named 's\_Credit\_Card\_T2'. The 'Writers' section shows a single writer for 'm\_Credit\_Cards\_Display\_Details.TRG\_CREDIT\_CARD\_T2'. The 'Connections' section is currently empty. The 'Properties' section includes attributes like 'Output Type' (File), 'Output file directory' (C:\Users\Administrator\Desktop\2146992\_SR\_Project\Project\TRG\), and 'Output filename' (tg\_credit\_card\_t2.csv). The 'Reject file directory' and 'Reject filename' fields are also present.

## Workflow Monitor:

The screenshot shows the 'Informatica PowerCenter Workflow Monitor' interface. On the left, there is a tree view of repositories, specifically 'Repo\_Academy' under 'INT\_RepoAcader'. In the center, a table lists workflow runs. One run, 'wf\_Credit\_Card\_T2', is expanded to show its sub-tasks: 'wf\_Credit\_Card\_T1' and 'wf\_Credit\_Card\_T2'. Both sub-tasks have a start time of 7/19/2022 1:53:11 PM and a completion time of 7/19/2022 1:53:17 PM, both marked as 'Succeeded'. At the bottom, a 'SESSION LOAD SUMMARY' table provides details for each task, such as source and target load summaries.

## Output:

Card_Type	Credit_Limit_Range	Expected_Result	Actual_Result
Premium	50000 - 100000	Displaying customer details for card_type premium and range 50000-100000	customer details for card_type premium and range 50000-100000 only

The screenshot shows a Notepad window with the title 'trg\_credit\_card\_t2.csv - Notepad'. The content of the file is a CSV dump of customer data from a database. The columns include CARD\_NUMBER, CARD\_NAME, ACCOUNT\_NUMBER, CREDIT\_LIMIT, EXPIRY\_DATE, BALANCE\_CREDIT\_LIMIT, SSN, MONTHLY\_BILL\_DATE, CARD\_TYPE, and DUE\_AMOUNT. Some rows are redacted with '\*\*\*\*\*'.

```

CARD_NUMBER,CARD_NAME,ACCOUNT_NUMBER,CREDIT_LIMIT,EXPIRY_DATE,BALANCE_CREDIT_LIMIT,SSN,MONTHLY_BILL_DATE,CARD_TYPE,DUE_AMOUNT
5132991124440950,Eren Yeager,27911704621,100000,10-10-2021,85000,715780,05-06-2021,Premium,0
431849552686030,Sherlock Holmes,42963351064,100000,06-01-2022,80000,144995,05-06-2021,Premium,500
9879636922393978,Steven Strange,60154174433,100000,25-12-2030,98000,410304,05-06-2021,Premium,500
7932726984988250,Tony Stark,51041104438,100000,01-12-2028,90000,364880,05-06-2021,Premium,500

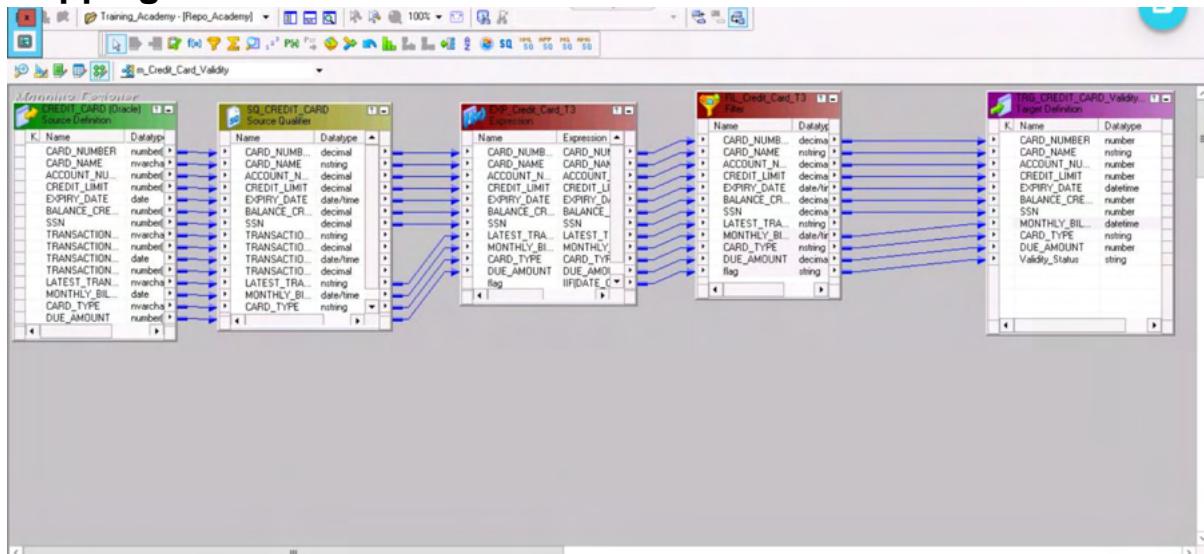
```



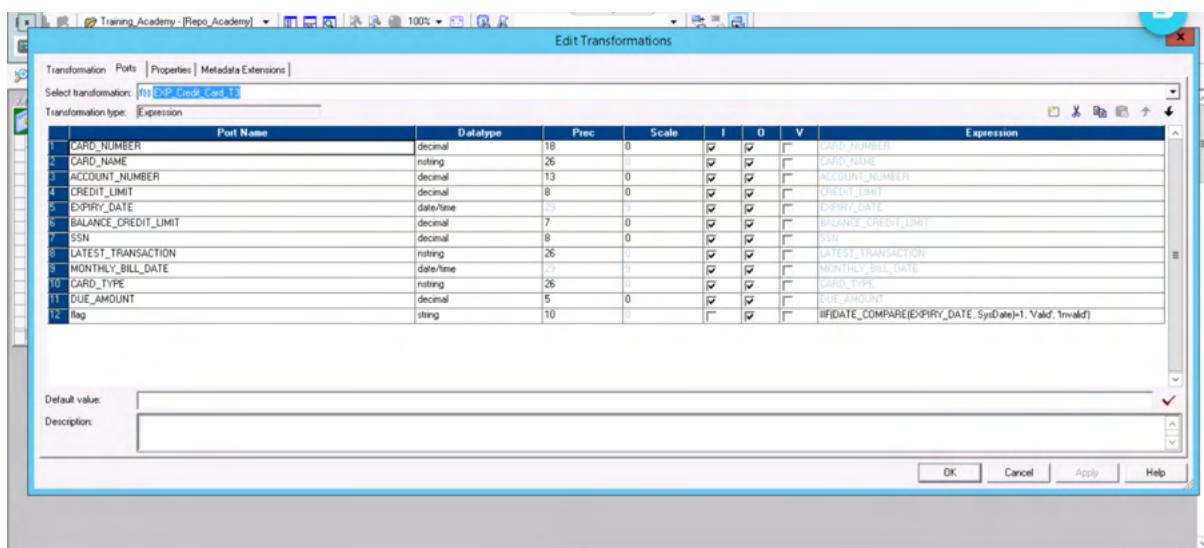


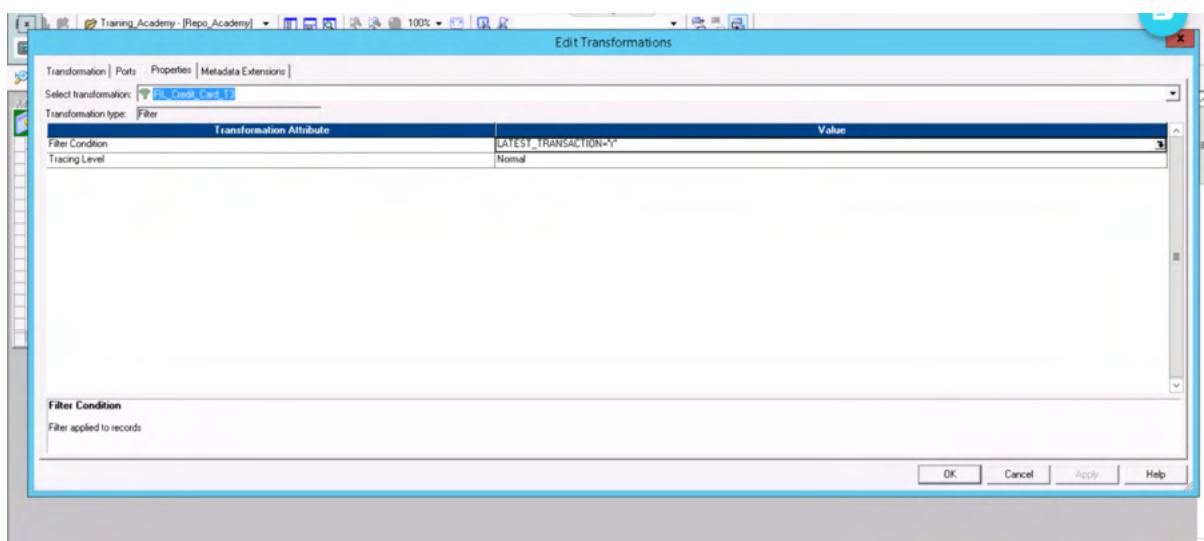
## Question3

### Mapping:

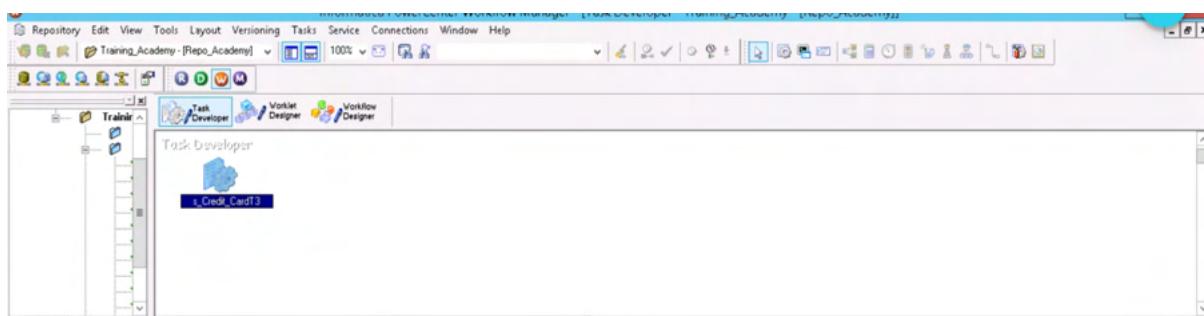
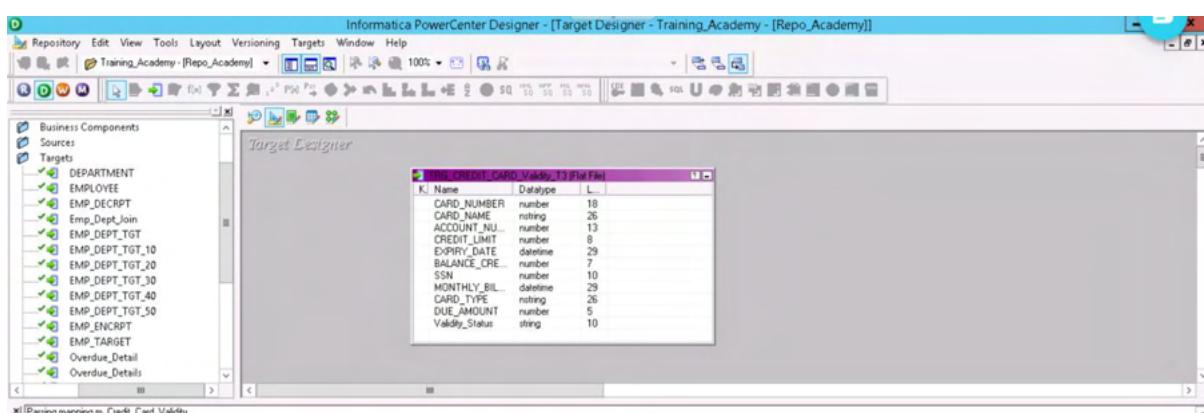


### Transformation:

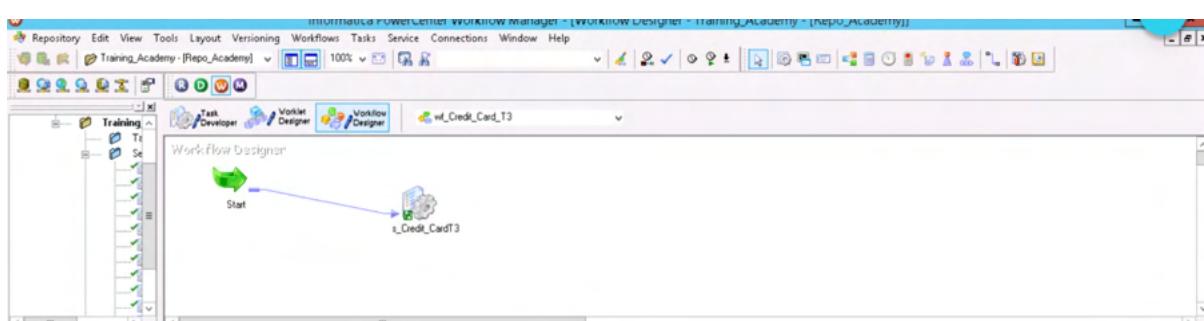




## Target Designer:



## Workflow Designer:





## Workflow Monitor:

SESSION LOAD SUMMARY				
INFO	7/19/2022 2:14:24 PM	node01	DIRECTOR	TM_6252
INFO	7/19/2022 2:14:24 PM	node01	DIRECTOR	CMN_1740
INFO	7/19/2022 2:14:24 PM	node01	DIRECTOR	TM_6253
INFO	7/19/2022 2:14:24 PM	node01	DIRECTOR	CMN_1740
INFO	7/19/2022 2:14:24 PM	node01	DIRECTOR	TM_6023
INFO	7/19/2022 2:14:24 PM	node01	DIRECTOR	TM_6020

## Output:

Expiry_Date	Expected Results	Actual Results
10-10-2021	Credit Card should be verified as Invalid	Credit Card validity status is Invalid
01-03-2026	Credit Card should be verified as Valid	Credit Card validity Status is Valid





CARD_NUMBER	CARD_NAME	ACCOUNT_NUMBER	CREDIT_LIMIT	EXPIRY_DATE	BALANCE	CREDIT_LIMIT	SSN	MONTHLY_BILL_DATE	CARD_TYPE	DUPLICATE_AMOUNT	VALIDITY_Status
5132991124449956	Eren Yeager	27911704621,100000	10-10-2021	85000	715780	05-06-2021	Premium,0	Invalid			
9836997958251816	Leah Organa	91148348256,500000	01-03-2026	250000	670918	05-06-2021	Master,500	Valid			
4144422288245256	Milke Tyson	76882277674,50000	06-01-2028	50000	799261	05-06-2021	Master,300	Valid			
6996443509187070	Naruto	67848193986,25000	15-07-2025	200000	209618	05-06-2021	Elite,200	Valid			
6868219723972770	Natasha Romanoff	92870954399,25000	17-09-2028	150000	182704	05-06-2021	Elite,0	Valid			
5793348896736200	Paul Reed	24270349198,60000	06-07-2023	600000	357135	05-06-2021	Master,0	Valid			
431849552686030	Sherlock Holmes	42963351064,100000	06-01-2022	80000	144399	05-06-2021	Premium,500	Invalid			
9879636922393970	Steven Strange	60154174433,100000	25-12-2030	980000	410304	05-06-2021	Premium,500	Valid			
7932726984988250	Tony Stark	51841104438,100000	01-12-2028	900000	364888	05-06-2021	Premium,500	Valid			
4369501958201010	Yoda	31457356365,50000	28-06-2028	400000	599550	05-06-2021	Master,100	Valid			

### **2.1.3 Loan – Home, Personal, Vehicle Module**

Enterprise Data Warehouse for Investors Bank	Loan - Home, Personal, Vehicle
Functional Requirements	<ul style="list-style-type: none"> <li>1) Report loan information's of customers.</li> <li>2) To fetch customer details based on loan type.</li> <li>3) To display loan info for a loan and balance amount for a loan account number.</li> <li>4) To generate bill paid for loan EMI for a loan account number.</li> <li>5) Dimension Loan is used to get the loan details.</li> </ul>



## Question2:

Fetch customer details based on loan type-  
Vehicle.

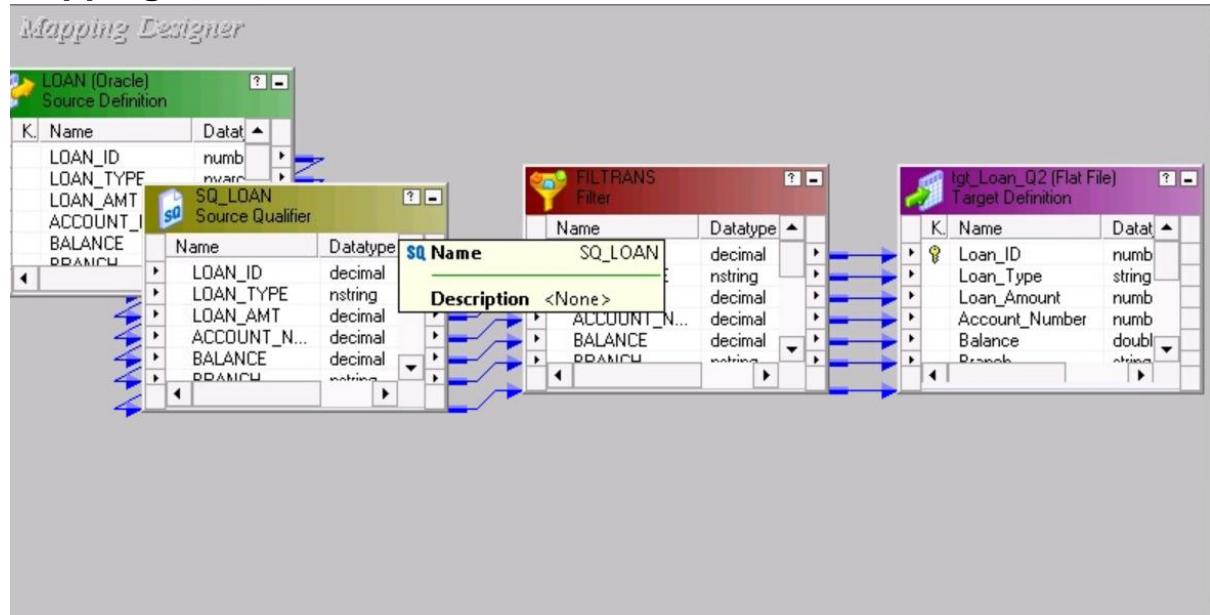
Source file:

Query Result X

SQL | All Rows Fetched: 35 in 0.047 seconds

LOAN_ID	LOAN_TYPE	LOAN_AMT	ACCOUNT_NUMBER	BALANCE	BRANCH	INTEREST_RATE	LOAN_DISBURSEMENT	EMI_END_DATE	EMI_PAYMENTS	EMI_PAYMENTS_RI
1	1 Home	100000	76882277674	0 Agartala Branch	515-MAR-22	15-JUL-22			4	
2	2 Home	100000	76882277674	25000 Agartala Branch	515-MAR-22	15-JUL-22			4	
3	3 Home	100000	76882277674	50000 Agartala Branch	515-MAR-22	15-JUL-22			4	
4	4 Home	100000	76882277674	75000 Agartala Branch	515-MAR-22	15-JUL-22			4	
5	5 Home	550000	27911704621	0 Kolkata Branch	7.520-AUG-21	20-APR-22			8	
6	6 Home	550000	27911704621	68750 Kolkata Branch	7.520-AUG-21	20-APR-22			8	
7	7 Home	550000	27911704621	137500 Kolkata Branch	7.520-AUG-21	20-APR-22			8	
8	8 Home	550000	27911704621	206250 Kolkata Branch	7.520-AUG-21	20-APR-22			8	
9	9 Home	550000	27911704621	275000 Kolkata Branch	7.520-AUG-21	20-APR-22			8	
10	10 Home	550000	27911704621	343750 Kolkata Branch	7.520-AUG-21	20-APR-22			8	
11	11 Home	550000	27911704621	412500 Kolkata Branch	7.520-AUG-21	20-APR-22			8	
12	12 Home	550000	27911704621	481250 Kolkata Branch	7.520-AUG-21	20-APR-22			8	
13	13 Vehicle	50000	71912866088	27272.73 Pune Branch		417-FEB-22	17-JAN-23		11	
14	14 Vehicle	50000	71912866088	31818.18 Pune Branch		417-FEB-22	17-JAN-23		11	

## Mapping:





## Workflow designer:

Workflow Designer



## Workflow Monitor:

The screenshot shows the Informatica PowerCenter Workflow Monitor interface. The main window displays a Gantt chart for July 19, 2022, at 12:00 am. The chart has columns for Duration and Status, and rows for various workflow tasks. The tasks listed are: wf\_loan\_q2, wf\_loan\_q3, wf\_loan\_q3, wf\_loan\_q4, and wf\_loan\_q4. All tasks are marked as "Succeeded". The monitor also shows a tree view of repositories and their contents on the left side.

## Result:

A screenshot of a Windows Notepad window titled "tgt\_loan\_q21 - Notepad". The window contains the following text:

```
#Loan_ID,Loan_Type,Loan_Amount,Account_Number,Balance,Branch,Interest_Rate,Loan_Disbursement,EMI_End_Date,EMI_Payments,EMI_Payment_Remaining,Payment_Date
13,"Vehicle",50000,71912866088,27273,"Pune Branch",4.0,"02/17/2022 00:00:00","01/17/2023 00:00:00",11,6,"07/17/2022 00:00:00"
32,"Vehicle",200000,15296923778,100000,"Pune Branch",3.2,"03/05/2022 00:00:00","11/05/2022 00:00:00",8,4,"07/05/2022 00:00:00"
```

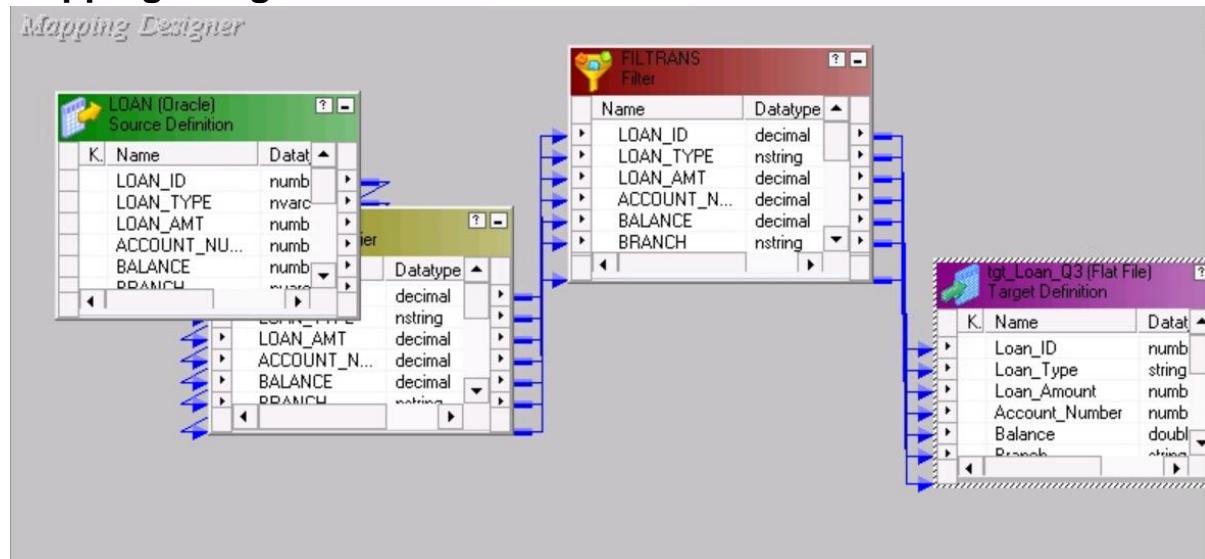




### Question3:

Display loan info for a loan and balance amount for a loan account number  
71912866088.

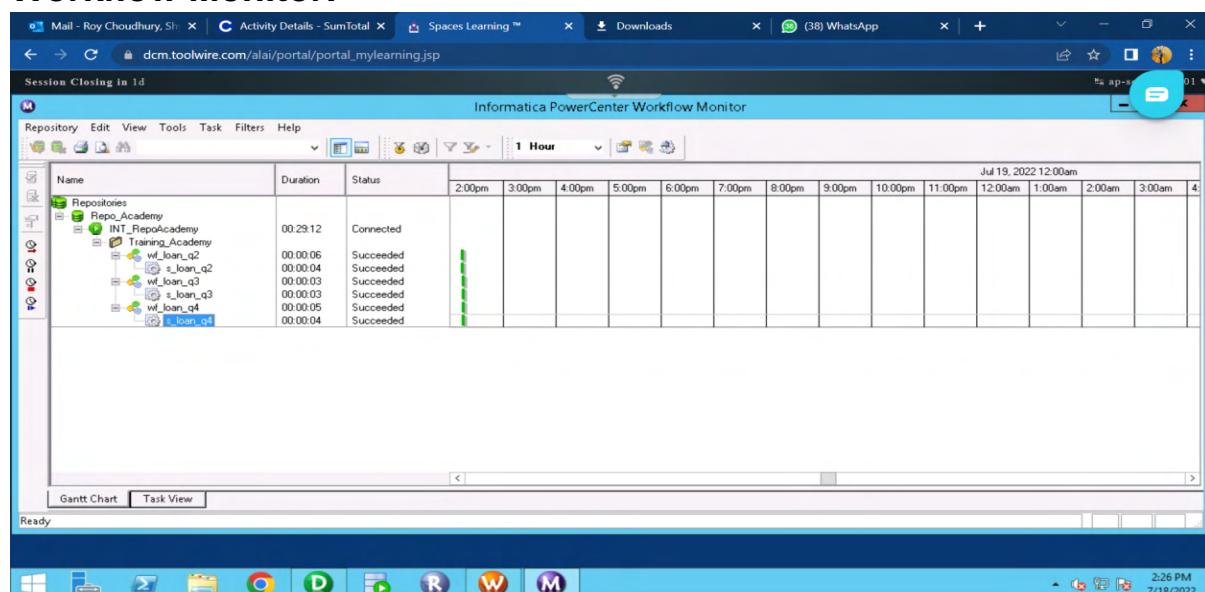
#### Mapping designer:



#### Workflow designer:



#### Workflow Monitor:





## Result:

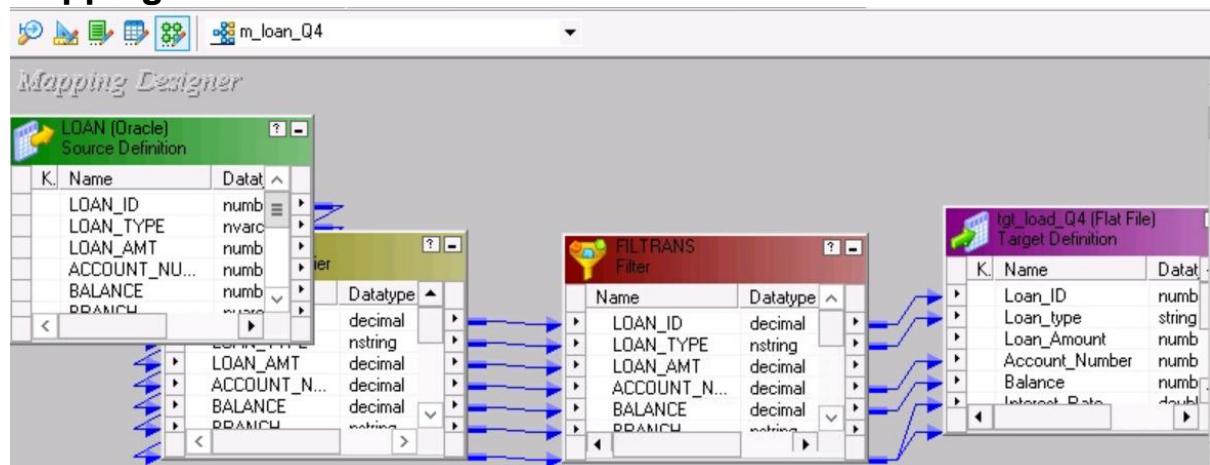
```
tgt_loan_Q31 - Notepad
File Edit Format View Help
#Loan_ID,Loan_Type,Loan_Amount,Account_Number,Balance,Branch,Interest_Rate,Loan_Disbursement,EMI_End_Date,EMI_Payments,EMI_Payment_Remaining,Payment_Date
13,Vehicle,50000,71912866088,27273,Pune Branch,4.0,02/17/2022 00:00:00,01/17/2023 00:00:00,11,6,07/17/2022 00:00:00
```



## Question4

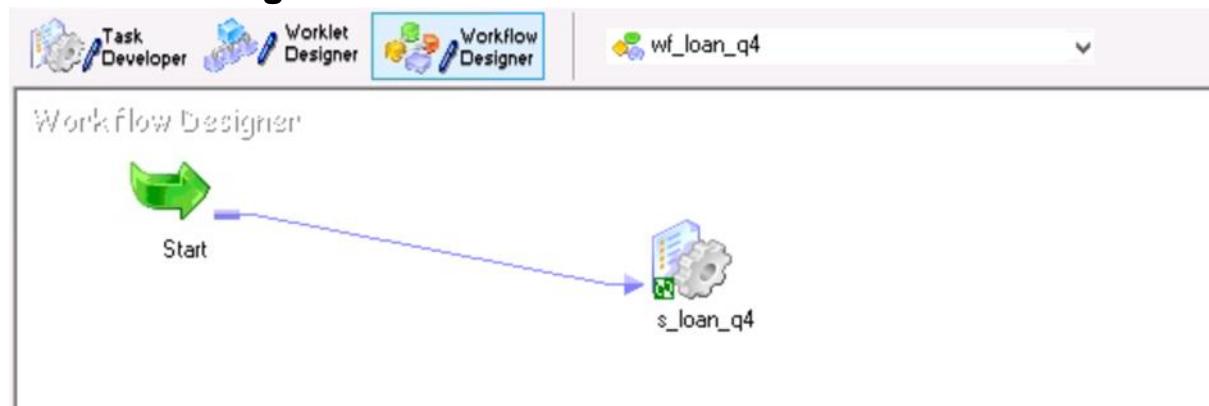
Generate bill paid for loan EMI for a loan account number 51041104438.

### Mapping:





## Workflow designer:



## Workflow Monitor:

Informatica PowerCenter Workflow Monitor

Name	Duration	Status	2:00pm	3:00pm	4:00pm	5:00pm	6:00pm	7:00pm	8:00pm	9:00pm	10:00pm	11:00pm	12:00am	1:00am	2:00am	3:00am	4:00am
Repo_Academy	00:29:12	Connected															
INT_RepoAcademy																	
TrainingAcademy																	
wf_loan_q2	00:00:06	Succeeded															
s_loan_q2	00:00:04	Succeeded															
s_loan_q3	00:00:03	Succeeded															
s_loan_q2	00:00:03	Succeeded															
wf_loan_q4	00:00:05	Succeeded															
loan_q4	00:00:04	Succeeded															

Gantt Chart Task View

## **Result:**

```
tgt_load_q41 - Notepad
File Edit Format View Help
#Loan_ID,Loan_type,Account_Number,Balance,Interest_Rate,EMI_End_Date,EMI_Payments,EMI_Payment_Remaining,Payment_Date
18,Home,51041104438,6.5,06/21/2022 00:00:00,8,0,06/21/2022 00:00:00
19,Home,51041104438,10000,6.5,06/21/2022 00:00:00,8,1,05/21/2022 00:00:00
20,Home,51041104438,20000,6.5,06/21/2022 00:00:00,8,2,04/21/2022 00:00:00
21,Home,51041104438,30000,6.5,06/21/2022 00:00:00,8,3,03/21/2022 00:00:00
22,Home,51041104438,40000,6.5,06/21/2022 00:00:00,8,4,02/21/2022 00:00:00
23,Home,51041104438,50000,6.5,06/21/2022 00:00:00,8,5,01/21/2022 00:00:00
24,Home,51041104438,60000,6.5,06/21/2022 00:00:00,8,6,12/21/2021 00:00:00
25,Home,51041104438,70000,6.5,06/21/2022 00:00:00,8,7,11/21/2021 00:00:00
```





## 2.1.4 Investments – Deposit Accounts, Stocks/Bonds Module

Enterprise Data Warehouse for Investors Bank	Deposit Accounts, Stocks/Bonds
Functional Requirements	<ol style="list-style-type: none"><li>1) To store customer info who have deposit accounts (FD, RD) in the Investors Bank.</li><li>2) To get deposit account info for a customer and to save stock details.</li><li>3) To fetch stock info of a customer.</li><li>4) To generate stocks report.</li><li>5) To store and fetch bond details of customers.</li><li>6) Dimension Investments is used to get the customer investments</li></ol>

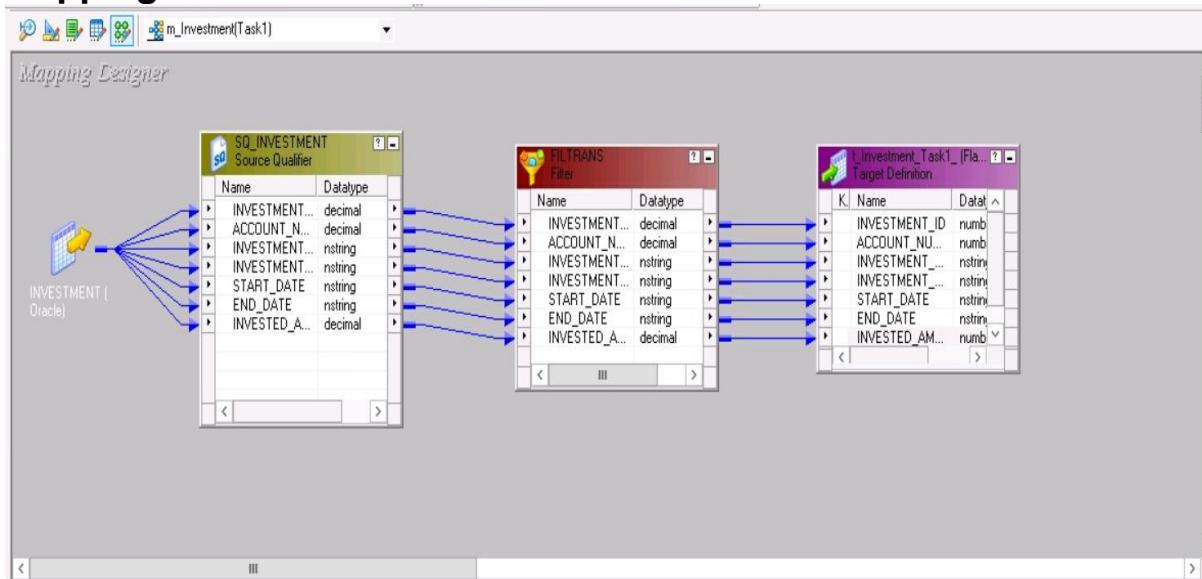
## Source file:

Investment_ID	Account_Number	Investment_Type	Investment_Name	Start_Date	End_Date	Invested_Amount
6256	76882277674	Deposit Accounts,Fixed Deposit	05-12-2007,10-05-2009	10000		
3003	27911704621	Stocks,ICICI Prudential Technology	08-01-2000,29-10-2014	500000		
3763	71912866088	Bonds,Aditya Birla Sun Life Digital India	12-03-2008,26-08-2013	250000		
6982	51041104438	Bonds,SBI Technology Opportunities	08-09-2001,07-08-2016	40000		
5295	51546211177	Deposit Accounts,Recurring Deposit	05-09-2004,24-02-2015	10000		
9323	67848193986	Deposit Accounts,Recurring Deposit	23-12-2004,23-07-2011	500000		
8299	50323583823	Deposit Accounts,Fixed Deposit	02-06-2005,10-02-2010	250000		
3992	15290923778	Stocks,Canara Rebecco Small Cap Fund	26-04-2005,29-04-2011	40000		
8253	24270349198	Bonds,Axis Growth Opportunities	20-11-2009,13-09-2017	560000		
9490	91148348256	Bonds,Quant Liquid	29-01-2007,04-01-2009	10000		
7201	92070954399	Stocks,Bank of India Small Cap Fund	18-01-2006,28-05-2014	500000		
1563	42963351064	Deposit Accounts,Recurring Deposit	17-04-2003,06-06-2011	250000		
2230	60151474433	Deposit Accounts,Recurring Deposit	22-07-2005,04-09-2012	40000		
8733	31457353635	Stocks,Axis Small Cap Fund	06-06-2010,04-01-2017	560000		



## Question1:

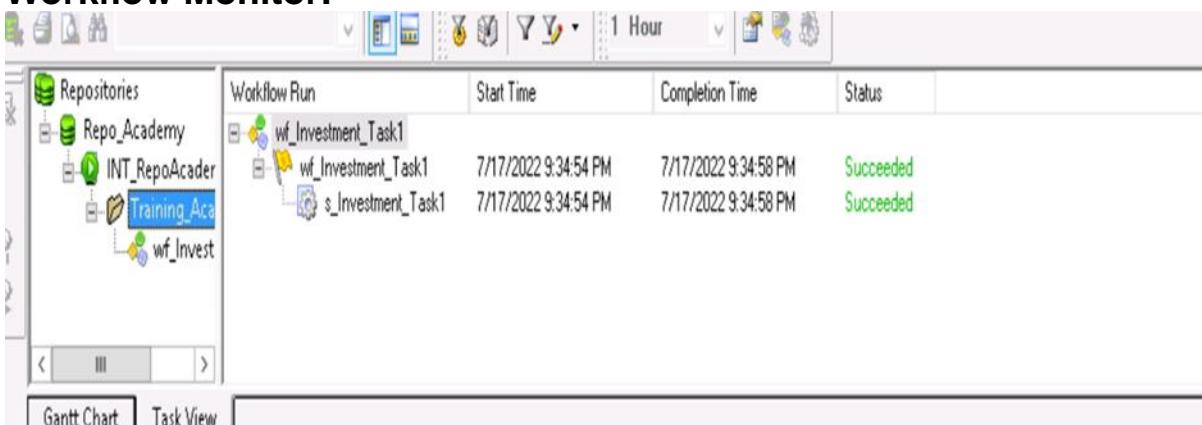
## Mapping:



## Workflow designer:



## Workflow Monitor:





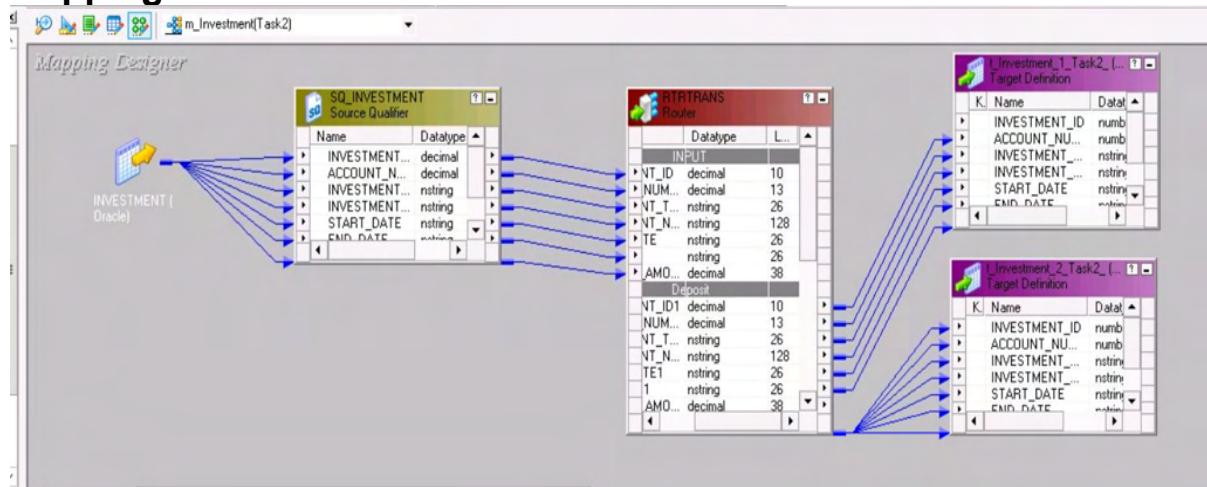
## Result:

```
t_investment_task1 - Notepad
File Edit Format View Help
#Investment_ID,Account_Number,Investment_Type,Investment_Name,Start_Date,End_Date,Invested_Amount
6256,76882277674,Deposit Accounts,Fixed Deposit,05-12-2007,10-05-2009,10000
9257,99937221117,Deposit Accounts,Fixed Deposit,05-09-2010,24-02-2015,10000
9323,67848193986,Deposit Accounts,Recurring Deposit,23-12-2004,23-07-2011,500000
8299,50332583823,Deposit Accounts,Fixed Deposit,02-06-2005,10-02-2010,250000
1563,42963351064,Deposit Accounts,Recurring Deposit,17-04-2003,06-06-2011,250000
2230,60154174433,Deposit Accounts,Recurring Deposit,22-07-2005,04-09-2012,40000
```

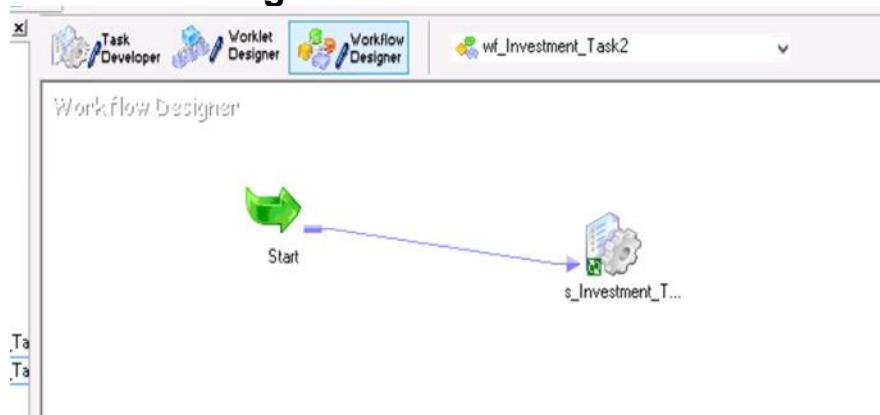


## Question2

### Mapping:



### Workflow designer:





## Workflow monitor:

Workflow Run      Start Time      Completion Time      Status

Workflow Run	Start Time	Completion Time	Status
wf_Investment_Task2	7/17/2022 10:30:04 PM	7/17/2022 10:30:10 PM	Succeeded
wf_Investment_Task2	7/17/2022 10:30:05 PM	7/17/2022 10:30:08 PM	Succeeded
s_Investment_Task2			

## Result:

### Target1:

```
t_Investment_2_task2 - Notepad
File Edit Format View Help
#Investment_ID,Account_Number,Investment_Type,Investment_Name,Start_Date,End_Date,Invested_Amount
3003,27911704621,Stocks,ICICI Prudential Technology ,08-01-2000,29-10-2014,500000
2795,52646210969,Stocks,Tata Digital Fund,08-11-2010,04-02-2017,560000
3992,15290923778,Stocks,Canara Rebecco Small Cap Fund,26-04-2005,29-04-2011,40000
7201,92870954399,Stocks,Bank of India Small Cap Fund,18-01-2006,28-05-2014,500000
8733,31457356365,Stocks,Axis Small Cap Fund,06-06-2010,04-01-2017,560000
```

### Target2:

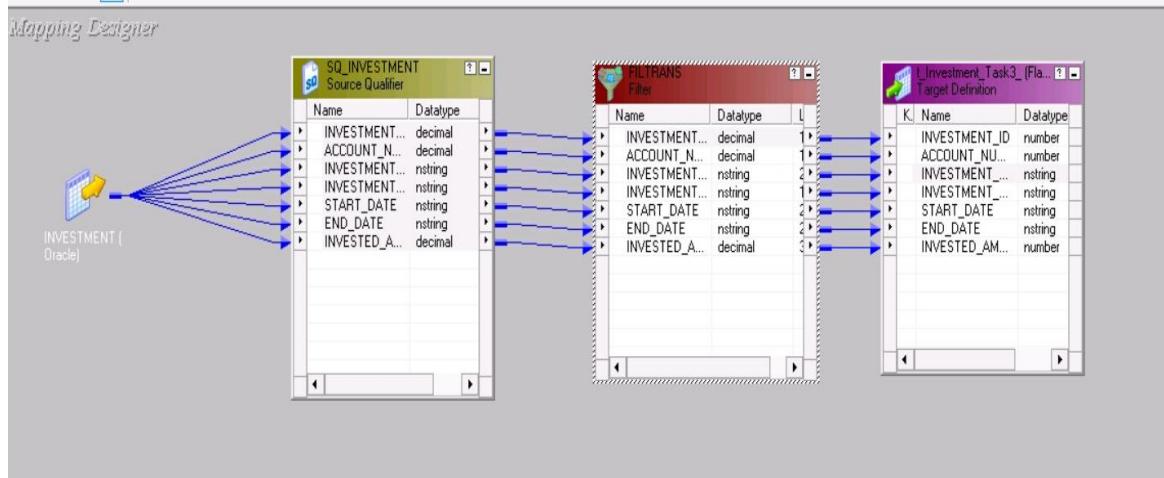
```
t_Investment_2_task2 - Notepad
File Edit Format View Help
#Investment_ID,Account_Number,Investment_Type,Investment_Name,Start_Date,End_Date,Invested_Amount
3003,27911704621,Stocks,ICICI Prudential Technology ,08-01-2000,29-10-2014,500000
2795,52646210969,Stocks,Tata Digital Fund,08-11-2010,04-02-2017,560000
3992,15290923778,Stocks,Canara Rebecco Small Cap Fund,26-04-2005,29-04-2011,40000
7201,92870954399,Stocks,Bank of India Small Cap Fund,18-01-2006,28-05-2014,500000
8733,31457356365,Stocks,Axis Small Cap Fund,06-06-2010,04-01-2017,560000
```



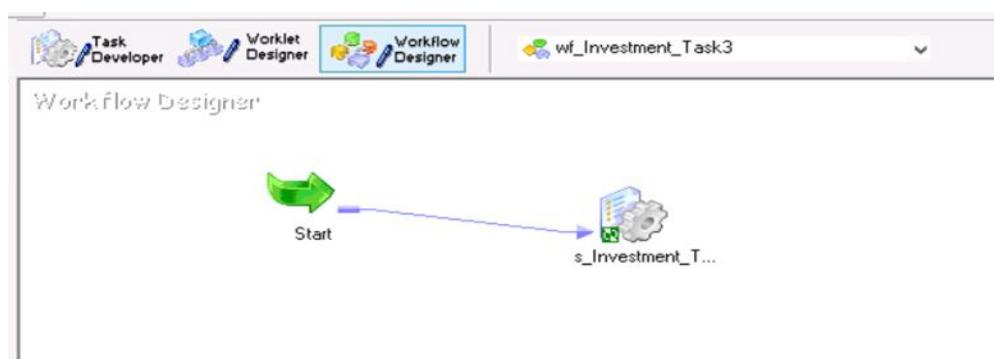


## Question3

### Mapping:



### Workflow designer:



### Workflow Monitor:

Repository	Workflow Run	Start Time	Completion Time	Status
Repo_Academy	wf_Investment_Task3	7/18/2022 1:08:15 AM	7/18/2022 1:08:20 AM	Succeeded
INT_RepoAcader	s_Investment_Task3	7/18/2022 1:08:15 AM	7/18/2022 1:08:19 AM	Succeeded



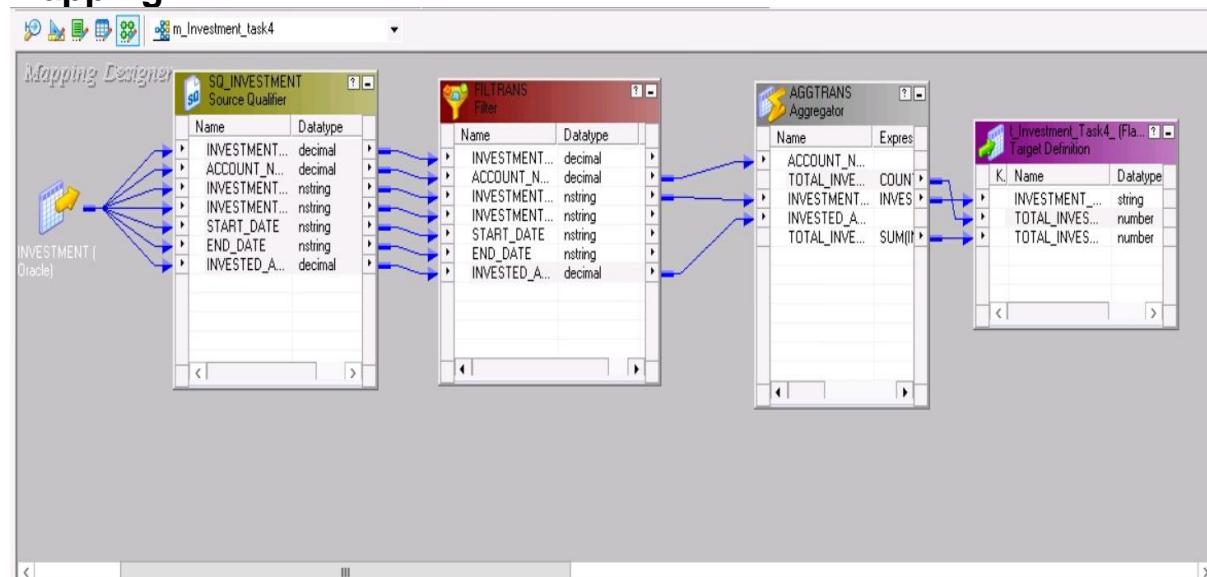


## Result:

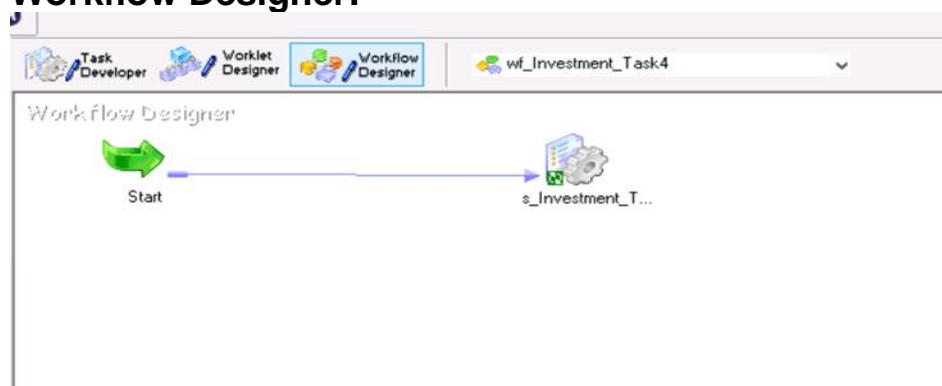
t\_Investment\_Task3 - Notepad  
File Edit Format View Help  
#Investment\_ID,Account\_Number,Investment\_Type,Investment\_Name,Start\_Date,End\_Date,Invested\_Amount  
2795,52646210969,Stocks,Tata Digital Fund,08-11-2010,04-02-2017,560000

## Question4:

### Mapping:



### Workflow Designer:





## Workflow Monitor:

The screenshot shows the Informatica PowerCenter Workflow Monitor interface. On the left, there's a sidebar with icons for Repositories, Workflows, and Projects. The main area displays a 'Workflow Run' table with the following data:

Workflow Run	Start Time	Completion Time	Status
wf_Investment_Task4	7/18/2022 2:02:41 AM	7/18/2022 2:02:46 AM	Succeeded
wf_Investment_Task4	7/18/2022 2:02:41 AM	7/18/2022 2:02:45 AM	Succeeded
s_Investment_Task4			

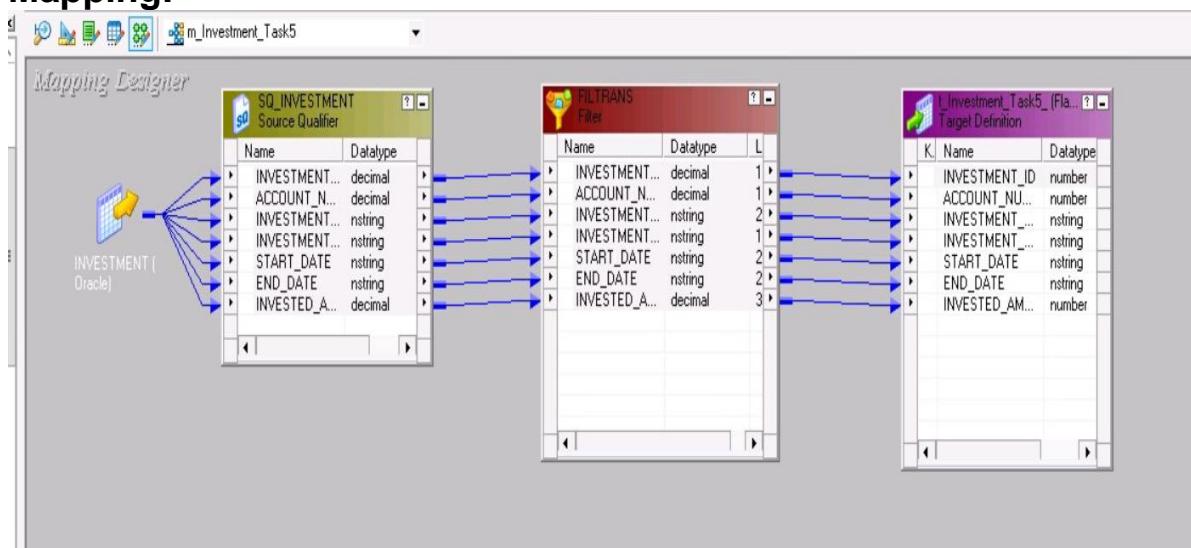
## Result:

A screenshot of a Windows Notepad window titled 't\_Investment\_Task4 - Notepad'. The content of the window is:

```
#INVESTMENT_TYPE,TOTAL_INVESTORS,TOTAL_INVESTMENT
Stocks,5,2160000
```

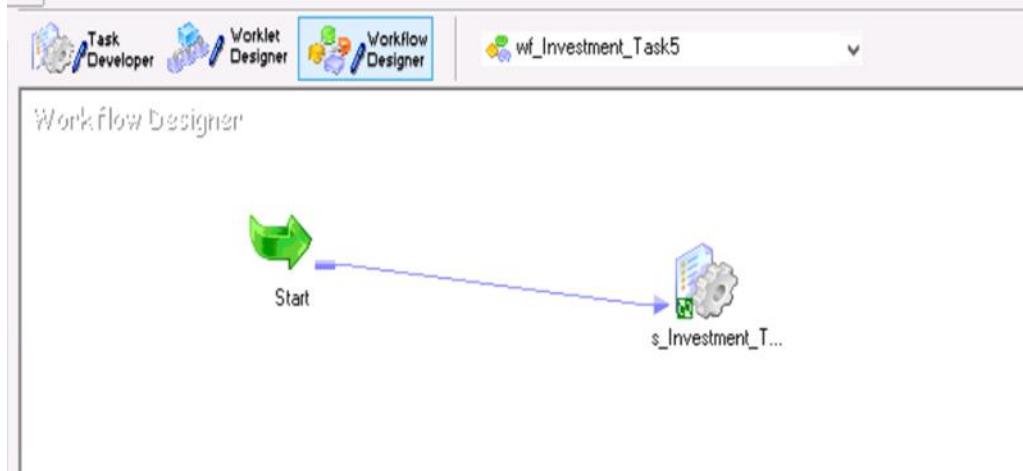
## Question5:

### Mapping:

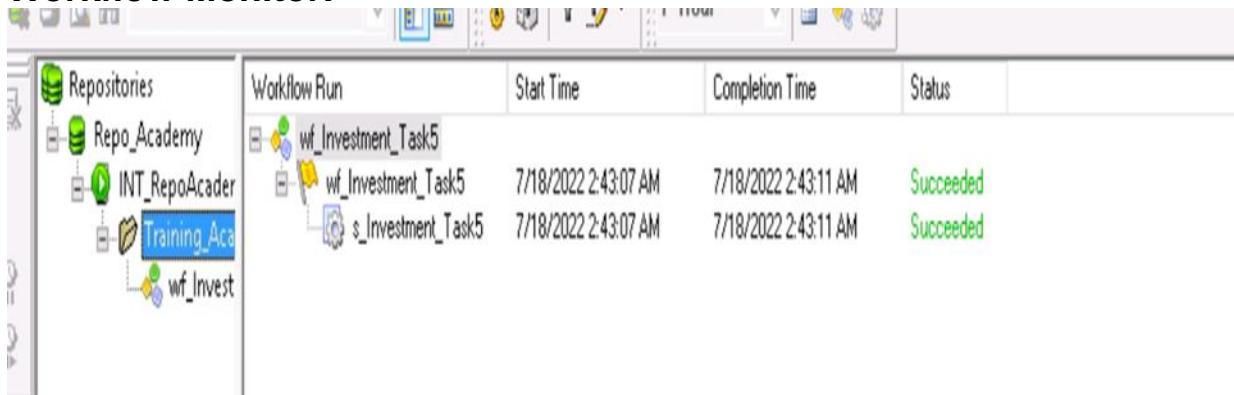




## Workflow designer:



## Workflow Monitor:



## Result:

A screenshot of a Windows Notepad window titled 'Investment\_Task5 - Notepad'. The content of the window is as follows:

```
#Investment_ID,Account_Number,Investment_Type,Investment_Name,Start_Date,End_Date,Invested_Amount
3763,71912866088,Bonds,Aditya Birla Sun Life Digital India,12-03-2008,26-08-2013,250000
6982,51041104438,Bonds,SBI Technology Opportunities,08-09-2001,07-08-2016,40000
8253,24270349198,Bonds,Axis Growth Opportunities,20-11-2009,13-09-2017,560000
9490,91148348256,Bonds,Quant Liquid ,29-01-2007,04-01-2009,10000
```



## 2.1.5 Insurance Module

Enterprise Data Warehouse for Investors Bank	Insurance
<b>Functional Requirements</b>	<ol style="list-style-type: none"><li>1) To store the customer details who have taken insurance (Life, Health) in Investors Bank.</li><li>2) To fetch the customer details based on insurance type.</li><li>3) To fetch customer info for a given policy number.</li><li>4) To check the policy expiry date for a policy number.</li><li>5) To display the pre matured policies.</li><li>6) To generate premium paid certificate for the customers who have paid the premium amount (monthly, yearly).</li><li>7) To fetch the premium payment date for a policy number.</li><li>8) Dimension Insurance is to report the insurance policies of the customers.</li></ol>



## Changing Input Data to SCD Type 2

### Source file:

Informatica PowerCenter Designer - [Source Analyzer - Training\_Academy - [Repo\_Academy]]

Repositories

- Repo\_Academy
  - Developer2
  - Training\_Academy
    - Business\_Compo
    - Sources
      - FlatFile
        - Training
        - DEF
        - EM
        - EM
        - EM
        - EM
        - EM
        - EM
      - Targets
        - DEPARTM
        - EMPLOYEE
        - EMP\_DECI
        - EMP\_DEP
        - EMP\_DEP
        - EMP\_DEP
        - EMP\_DEP
        - EMP\_DEP

K.	Name	Datatype	L.
1	ACCOUNT_NU...	number(s)	13
2	INSURANCE_T...	nvarchar2	26
3	INSURANCE_P...	nvarchar2	26
4	EFF_DATE	date	19
5	END_DATE	date	19
6	TOTAL_ESTIM...	number(s)	7
7	PREMIUM_AM...	number(s)	6
8	POLICY_NUMB...	number(s)	9
9	CLAIMSMONTH...	nvarchar2	26
10	CLAIM_DATE	nvarchar2	26
11	Premium_Pay...	date	19
12	MEMBERS_CO...	number(s)	3
13	HOSPITALS	nvarchar2	26

Parsing mapping m\_Health\_Insurance\_SCDII...  
mapping completed with no errors.  
----- Mapping m\_Health\_Insurance\_SCDII is VALID -----  
mapping m\_Health\_Insurance\_SCDII updated.

Save Fetch Log Generate Validate Debugger Session Log Notifications /

Ready

5:57 PM 7/18/2022

### Source

Session Closing in 23h

Health Insurance Input.csv - Notepad

File Edit Format View Help

Account_Number	Insurance_Type	Insurance_Plan	Eff_Date	End_Date	Total_Estimated_Amount	Premium_Amount	Policy_Number	ClaimsInMonth	Claim_Date	Premium_Payment_date	Members_Covered	Hospitals
76882277674	Health	Monthly	23-09-2021	23-09-2022	60000	5000	287215	N,NA	23-07-2021	6,NA		
27911704621	Life	Monthly	02-09-2021	02-09-2022	36000	3000	823362	N,NA	21-07-2021	1,NA		
71912866088	Health	Monthly	13-10-2021	13-10-2022	48000	4000	869140	N,NA	08-07-2021	3,NA		
51841104438	Health	Monthly	28-07-2021	28-07-2022	66000	5500	239195	N,NA	09-07-2021	6,NA		
52646210969	Life	Monthly	20-10-2021	20-10-2022	84000	7000	547039	Y,NA	14-07-2021	13-07-2021	3,NA	Navodaya Hospital
99937221117	Health	Semi_Annually	02-08-2021	02-08-2022	60000	5000	436596	Y,NA	16-07-2021	14-07-2021	1,Bhumi Hospital	
67848193986	Health	Semi_Annually	28-02-2021	28-02-2022	36000	3000	810659	N,NA	29-07-2021	5,NA		
56332503823	Life	Semi_Annually	03-09-2021	03-09-2022	48000	4000	545215	N,NA	14-07-2021	1,NA		
15299923779	Life	Yearly	27-10-2021	27-10-2022	66000	5500	493539	Y,NA	18-07-2021	05-07-2021	1,NA	Navodaya Hospital
242703049198	Life	Quarterly	01-10-2021	01-10-2022	84000	7000	464516	Y,NA	23-07-2021	16-07-2021	5,NA	Navodaya Hospital
91148348256	Health	Yearly	03-10-2021	03-10-2022	60000	5000	694760	Y,NA	28-07-2021	25-07-2021	4,Bhumi Hospital	
92070954399	Health	Yearly	18-09-2021	18-09-2022	36000	3000	514606	N,NA	15-07-2021	1,NA		
42963551064	Life	Quarterly	04-07-2021	04-07-2022	48000	4000	872076	Y,NA	14-07-2021	04-07-2021	4,NA	Navodaya Hospital
66154174433	Health	Yearly	07-07-2021	07-07-2022	66000	5500	237615	N,NA	29-07-2021	2,NA		
31457356365	Life	Quarterly	14-02-2021	14-02-2022	84000	7000	127470	N,NA	12-07-2021	1,NA		
76882277674	Health	Monthly	24-09-2022	24-09-2023	60000	5000	415346	N,NA	23-06-2022	6,NA		
27911704621	Life	Monthly	03-09-2022	03-09-2023	36000	3500	835840	N,NA	21-06-2022	1,NA		
71912866088	Health	Monthly	14-10-2022	14-10-2023	48000	4000	121377	N,NA	08-06-2022	3,NA		
51841104438	Health	Monthly	29-07-2022	29-07-2023	66000	5500	448691	N,NA	09-06-2022	6,NA		
52646210969	Life	Monthly	21-10-2022	21-10-2023	84000	7000	505654	N,NA	13-06-2022	3,NA		
99937221117	Health	Semi_Annually	03-08-2022	03-08-2023	60000	5000	371654	N,NA	14-06-2022	1,NA		
67848193986	Health	Semi_Annually	21-02-2022	21-02-2023	36000	3000	672018	N,NA	29-06-2022	5,NA		
56332503823	Life	Semi_Annually	04-09-2022	04-09-2023	48000	4000	913003	N,NA	14-06-2022	1,NA		

5:56 PM 7/18/2022





## Target

## Mapping





Controlled copy

Software Requirements Document

## Lookup Ports

Session Closing in 22h

Informatica PowerCenter Designer - [Mapping Designer - Training\_Academy - [Repo\_Academy]]

Transformation Ports Properties Condition Metadata Extensions

Select transformation: LKPTRANS Transformation type: Lookup Procedure

Port Name	Datatype	Prec.	Sc.	I	O	L	R	Associated Expression (E..)
ACCOUNT_NUMBER	decimal	13	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
INSURANCE_TYPE	string	26		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
INSURANCE_PLAN	string	26		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
EFF_DATE	date/time	20		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
END_DATE	date/time	20		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
TOTAL_ESTIMATED_AMOUNT	decimal	7	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
PREMIUM_AMOUNT	decimal	6	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
POLICY_NUMBER	decimal	8	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
CLAIMSINMONTH	string	26		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
CLAIM_DATE	string	26		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
PREMIUM_PAYMENT_DATE	date/time	20		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
MEMBERS_COVERED	decimal	3	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
HOSPITALS	string	26		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
FLAG	string	15		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
ACCOUNT_NUMBER1	decimal	13	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A

Default value: Description:

OK Cancel Apply Help

SEQUENCE Generator  
NEXTVAL CURRVAL

HEALTH\_INSURANCE  
Source Definition  
K Name Data  
SNO number  
ACCOUNT\_N number  
INSURANCE\_PLAN string  
EFF\_DATE date

HEALTH\_INSURANCE  
Target Definition  
K Name Data  
SNO number  
ACCOUNT\_N number  
INSURANCE\_PLAN string  
EFF\_DATE date

UPDTRANS Update Strategy  
Name LKP\_SNO3  
Data type double  
Value FLAG23

HEALTH\_INSURANCE  
Target Definition  
K Name Data  
SNO number  
ACCOUNT\_N number  
INSURANCE\_PLAN string  
EFF\_DATE date

Ready 6:02 PM 7/18/2022

Edit Transformations

Transformation | Ports | Properties | Condition | Metadata Extensions |

Select transformation: LKPTRANS Transformation type: Lookup Procedure

Lookup Table Column	Operator	Transformation Port
ACCOUNT_NUMBER	=	ACCOUNT_NUMBER1

OK Cancel Apply Help

Edit Transformations

Transformation | Ports | Properties | Condition | Metadata Extensions |

Select transformation: LKPTRANS Transformation type: Lookup Procedure

Transformation Attribute	Value
Lookup Sql Override	SELECT HEALTH_INSURANCE_SCDII.SNO AS SNO, HEALTH_INSURANCE_SCDII.INSURANCE_TYPE AS INSURANCE_TYPE, HEALTH_INSURANCE_SCDII.INSURANCE_PLAN AS INSURANCE_PLAN, HEALTH_INSURANCE_SCDII.EFF_DATE AS EFF_DATE, HEALTH_INSURANCE_SCDII.END_DATE AS END_DATE, HEALTH_INSURANCE_SCDII.TOTAL_ESTIMATED_AMOUNT AS TOTAL_ESTIMATED_AMOUNT, HEALTH_INSURANCE_SCDII.PREMIUM_AMOUNT AS PREMIUM_AMOUNT, HEALTH_INSURANCE_SCDII.POLICY_NUMBER AS POLICY_NUMBER, HEALTH_INSURANCE_SCDII.CLAIMSINMONTH AS CLAIMSINMONTH, HEALTH_INSURANCE_SCDII.CLAIM_DATE AS CLAIM_DATE, HEALTH_INSURANCE_SCDII.PREMIUM_PAYMENT_DATE AS PREMIUM_PAYMENT_DATE, HEALTH_INSURANCE_SCDII.MEMBERS_COVERED AS MEMBERS_COVERED, HEALTH_INSURANCE_SCDII.HOSPITALS AS HOSPITALS, HEALTH_INSURANCE_SCDII.FLAG AS FLAG, HEALTH_INSURANCE_SCDII.ACCOUNT_NUMBER AS ACCOUNT_NUMBER FROM HEALTH_INSURANCE_SCDII WHERE FLAG='Y'

OK Cancel Apply Help

SQL Editor - LKPTRANS (Expression)

Ports Variables |

SQL:

```
SELECT HEALTH_INSURANCE_SCDII.SNO AS SNO, HEALTH_INSURANCE_SCDII.INSURANCE_TYPE AS INSURANCE_TYPE, HEALTH_INSURANCE_SCDII.INSURANCE_PLAN AS INSURANCE_PLAN, HEALTH_INSURANCE_SCDII.EFF_DATE AS EFF_DATE, HEALTH_INSURANCE_SCDII.END_DATE AS END_DATE, HEALTH_INSURANCE_SCDII.TOTAL_ESTIMATED_AMOUNT AS TOTAL_ESTIMATED_AMOUNT, HEALTH_INSURANCE_SCDII.PREMIUM_AMOUNT AS PREMIUM_AMOUNT, HEALTH_INSURANCE_SCDII.POLICY_NUMBER AS POLICY_NUMBER, HEALTH_INSURANCE_SCDII.CLAIMSINMONTH AS CLAIMSINMONTH, HEALTH_INSURANCE_SCDII.CLAIM_DATE AS CLAIM_DATE, HEALTH_INSURANCE_SCDII.PREMIUM_PAYMENT_DATE AS PREMIUM_PAYMENT_DATE, HEALTH_INSURANCE_SCDII.MEMBERS_COVERED AS MEMBERS_COVERED, HEALTH_INSURANCE_SCDII.HOSPITALS AS HOSPITALS, HEALTH_INSURANCE_SCDII.FLAG AS FLAG, HEALTH_INSURANCE_SCDII.ACCOUNT_NUMBER AS ACCOUNT_NUMBER FROM HEALTH_INSURANCE_SCDII WHERE FLAG='Y'
```

Instance Name: LKPTRANS Transformation Type: Lookup Procedure

Connect to database: ODBC data source: Training\_Academy (DataDirect 7.1 Oracle Wire Protocol)

Username: infoadmin Password: \*\*\*\*\* Use Kerberos Authentication

OK Cancel Generate SQL Validate Help





## Expression Two Ports Added Flag1 and Flag2

Edit Transformations

Select transformation: EXPTRANS

Transformation type: Expression

	Port Name	Datatype	Prec	Scale	I	O	V	Expression
16	ACCOUNT_NUMBER	decimal	13	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACCOUNT_NUMBER
17	INSURANCE_TYPE	nstring	26	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	INSURANCE_TYPE
18	INSURANCE_PLAN	nstring	26	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	INSURANCE_PLAN
19	EFF_DATE	date/time	29	9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EFF_DATE
20	END_DATE	date/time	29	9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	END_DATE
21	TOTAL_ESTIMATED_AMOUNT	decimal	7	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	TOTAL_ESTIMATED_AMOUNT
22	PREMIUM_AMOUNT	decimal	6	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PREMIUM_AMOUNT
23	POLICY_NUMBER	decimal	8	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	POLICY_NUMBER
24	CLAIMSINMONTH	nstring	26	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	CLAIMSINMONTH
25	CLAIM_DATE	nstring	26	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	CLAIM_DATE
26	PREMIUM_PAYMENT_DATE	date/time	29	9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PREMIUM_PAYMENT_DATE
27	MEMBERS_COVERED	decimal	3	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MEMBERS_COVERED
28	HOSPITALS	nstring	26	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HOSPITALS
29	FLAG1	string	10	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	'Y'
30	FLAG2	string	10	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	'N'

Default value:

Description:

OK Cancel Apply Help

## Router Groups

Edit Transformations

Select transformation: RTRTRANS

Transformation type: Router

Group Name	Group Filter Condition
INSERT	ISNULL(LKP_SNO)
UPDATE	NOT ISNULL(LKP_SNO) AND LKP_PREMIUM_PAYMENT_DATE != PREMIUM_PAYMENT_DATE
DEFAULT1	

Description:

OK Cancel Apply Help





## Update Strategy

Edit Transformations

Transformation | Ports | Properties | Metadata Extensions |

Select transformation: UPDTRANS  
Transformation type: Update Strategy

	Port Name	Datatype	Prec	Scale	I	O
1	LKP_SN03	double	15	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	FLAG23	string	10	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Default value:  ✓

Description:

OK Cancel Apply Help

Edit Transformations

Transformation | Ports | Properties | Metadata Extensions |

Select transformation: UPDTRANS  
Transformation type: Update Strategy

Transformation Attribute	Value
Update Strategy Expression	DD_UPDATE
Forward Rejected Rows	<input checked="" type="checkbox"/>
Tracing Level	Normal

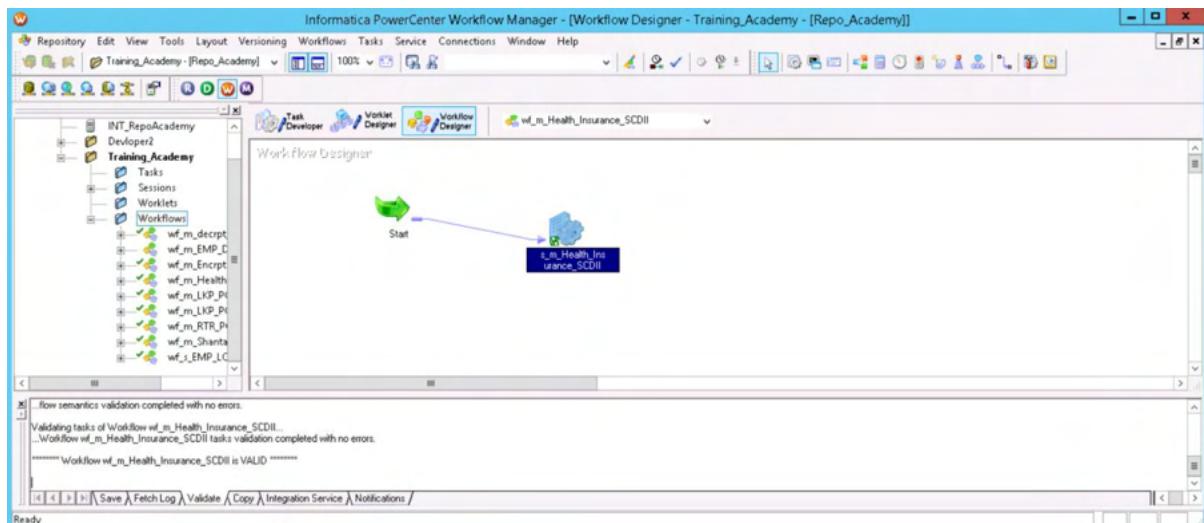
**Update Strategy Expression**  
Expression flagging records for insert, delete, update or reject

OK Cancel Apply Help





## Workflow



## Session log

Oracle SQL Developer : ord1

Worksheet Query Builder

select \* from HEALTH\_INSURANCE\_SCDII;

Query Result x

All Rows Fetched: 23 in 0 seconds

SNO	ACCOUNT_NUMBER	INSURANCE_PLAN	EFF_DATE	END_DATE	TOTAL_ESTIMATED_AMOUNT	PREMIUM_AMOUNT	POLICY_NUMBER	CLAIMSINMONTH	CLAIM_DATE	PREMIUM_P...	MEMBERS_COVERED	HOSPITALS	FLAG
1	76882277674	Health	Monthly	23-SEP-21	23-SEP-22	60000	5000	207215 N	NA	23-JUL-21	6 NA	N	
2	27911704621	Life	Monthly	02-SEP-21	02-SEP-22	36000	3000	823362 N	NA	21-JUL-21	1 NA	N	
3	71912866088	Health	Monthly	13-OCT-21	13-OCT-22	48000	4000	869140 N	NA	08-JUL-21	3 NA	N	
4	51041104438	Health	Monthly	28-JUL-21	28-JUL-22	66000	5500	239195 N	NA	09-JUL-21	6 NA	N	
5	52646210969	Life	Monthly	20-OCT-21	20-OCT-22	84000	7000	547039 Y	14-07-2021	13-JUL-21	3 Navodaya Hospital	N	
6	99937221117	Health	Semi_Annually	02-AUG-21	02-AUG-22	60000	5000	436596 Y	16-07-2021	14-JUL-21	1 Bhumi Hospital	N	
7	67848193986	Health	Semi_Annually	20-FEB-21	20-FEB-22	36000	3000	810059 N	NA	29-JUL-21	5 NA	N	
8	50332593823	Life	Semi_Annually	03-SEP-21	03-SEP-22	48000	4000	545215 N	NA	14-JUL-21	1 NA	N	
9	15290923778	Life	Yearly	27-OCT-21	27-OCT-22	66000	5500	483539 Y	10-07-2021	05-JUL-21	1 Navodaya Hospital	Y	
10	24270349198	Life	Quarterly	01-OCT-21	01-OCT-22	84000	7000	464516 Y	23-07-2021	16-JUL-21	5 Navodaya Hospital	Y	
11	91148348256	Health	Yearly	03-OCT-21	03-OCT-22	60000	5000	694760 Y	28-07-2021	25-JUL-21	4 Bhumi Hospital	Y	
12	92070954399	Health	Yearly	18-SEP-21	18-SEP-22	36000	3000	514680 N	NA	15-JUL-21	1 NA	Y	
13	42963351064	Life	Quarterly	04-JUL-21	04-JUL-22	48000	4000	872076 Y	14-07-2021	04-JUL-21	4 Navodaya Hospital	Y	
14	60154174433	Health	Yearly	07-JUL-21	07-JUL-22	66000	5500	237615 N	NA	29-JUL-21	2 NA	Y	
15	31457356365	Life	Quarterly	14-FEB-21	14-FEB-22	84000	7000	127470 N	NA	12-JUL-21	1 NA	Y	
16	76882277674	Health	Monthly	24-SEP-22	24-SEP-23	60000	5000	415346 N	NA	23-JUN-22	6 NA	Y	
17	88016544222	Health	Monthly	22-SEP-22	22-SEP-23	60000	5000	207215 N	NA	21-JUL-21	6 NA	Y	





## Workflow

The screenshot shows the Informatica PowerCenter Workflow Monitor interface. On the left, there's a tree view of repositories under 'Repo\_Academy'. A workflow named 'wf\_m\_Health\_Insurance\_SCDII' is selected. The main pane displays a table of workflow runs for this specific workflow, all of which have succeeded. The last run started at 7/18/2022 6:26:17 PM and completed at 7/18/2022 6:26:22 PM. Below the table, a detailed view of the most recent run is shown, including its attributes like Task Name (wf\_m\_Health\_Insurance\_SCDII), Start Time (7/18/2022 6:26:17 PM), and Status (Succeeded). The right side of the window has tabs for 'Gantt Chart' and 'Task View', and a 'Get Workflow Log' button.

## Output

The screenshot shows the 'Log Events for Session: s\_m\_Health\_Insurance\_SCDII' window. It lists log entries with columns for Severity, Timestamp, Node, Thread, Message ID, and Message. The log details the session's execution, including source and target load summaries. At the bottom, a summary table provides session-level statistics: Source Load Summary (Table [SQ\_HEALTH\_INSURANCE] with 23 rows affected), Target Load Summary (Table [HEALTH\_INSURANCE\_SCDII] with 0 rows output, 0 affected, 0 applied, and 0 rejected), and a final message indicating the session completed at 7/18/2022 6:18:49 PM.

SESSION LOAD SUMMARY					
INFO	7/18/2022 6:18:49 PM	node01	DIRECTOR	TM_6252	Source Load Summary
INFO	7/18/2022 6:18:49 PM	node01	DIRECTOR	CMN_1740	Table [SQ_HEALTH_INSURANCE] (Instance Name: [SQ_HEALTH_INSURANCE]) Output Rows [23], Affected Rows [23], Applied Rows [23], Rejected Rows [0]
INFO	7/18/2022 6:18:49 PM	node01	DIRECTOR	TM_6253	Target Load Summary
INFO	7/18/2022 6:18:49 PM	node01	DIRECTOR	CMN_1740	Table [HEALTH_INSURANCE_SCDII] (Instance Name: [HEALTH_INSURANCE_SCDII]) Output Rows [0], Affected Rows [0], Applied Rows [0], Rejected Rows [0]
INFO	7/18/2022 6:18:49 PM	node01	DIRECTOR	CMN_1740	Table [HEALTH_INSURANCE_SCDII] (Instance Name: [HEALTH_INSURANCE_SCDII]) Output Rows [0], Affected Rows [0], Applied Rows [0], Rejected Rows [0]
INFO	7/18/2022 6:18:49 PM	node01	DIRECTOR	CMN_1740	Table [HEALTH_INSURANCE_SCDII] (Instance Name: [HEALTH_INSURANCE_SCDII]) Output Rows [0], Affected Rows [0], Applied Rows [0], Rejected Rows [0]
INFO	7/18/2022 6:18:49 PM	node01	DIRECTOR	TM_6023	-----
INFO	7/18/2022 6:18:49 PM	node01	DIRECTOR	TM_6020	Session [s_m_Health_Insurance_SCDII] completed at [Mon Jul 18 18:49 2022]

**Severity:** INFO  
**Timestamp:** 7/18/2022 6:18:49 PM  
**Node:** node01  
**Thread:** DIRECTOR  
**Process ID:** 4500  
**Message ID:** CMN\_1740  
**Message:** Table [HEALTH\_INSURANCE\_SCDII] (Instance Name: [HEALTH\_INSURANCE\_SCDII])  
Output Rows [0], Affected Rows [0], Applied Rows [0], Rejected Rows [0]





## Question1:

To Fetch All latest records for Insurance type “Health”  
Source Analyzer:

The screenshot shows the Informatica PowerCenter Designer interface in Source Analyzer mode. On the left, the Targets tree view shows various source and target objects. In the center, a table named 'HEALTH\_INSURANCE\_SC01 [Oracle]' is displayed with the following columns and their data types:

K.	Name	Datatype	L.
SNO		number	15
	ACCOUNT_NU	number[9,2]	13
	INSURANCE_T_	nvarchar2	26
	INSURANCE_P_	nvarchar2	26
	EFF_DATE	date	19
	END_DATE	date	19
	TOTAL_ESTIM	number[9,2]	7
	PREMIUM_AM	number[9,2]	6
	POLICY_NUMB	number[9,2]	8
	CLAIMSINMON	nvarchar2	26
	CLAIM_DATE	nvarchar2	26
	PREMIUM_PAY	date	19
	MEMBERS_CO	number[9,2]	3
	HOSPITALS	nvarchar2	26
	FLAG	varchar2	15

At the bottom of the interface, a message indicates that the mapping 'm\_Health\_Insurance\_Task1' is valid and has been inserted.

## Target Designer:

The screenshot shows the Informatica PowerCenter Designer interface in Target Designer mode. The structure is identical to the Source Analyzer screenshot, displaying the 'HEALTH\_INSURANCE\_Task1 [Flat File]' table with the same columns and data types. The message at the bottom indicates that the mapping 'm\_Health\_Insurance\_Task1' is valid and has been inserted.





## Mapping:

The screenshot shows the Informatica PowerCenter Designer interface. The top menu bar includes Repository, Edit, View, Tools, Layout, Versioning, Mappings, Transformation, Window, Help. The title bar says "Informatica PowerCenter Designer - [Mapping Designer - Training\_Academy - [Repo\_Academy]]". The main area displays a mapping named "m\_Health\_Insurance\_Task1". On the left, there's a tree view of targets: DEPARTMENT, EMPLOYEE, EMP\_DECRYPT, EMP\_SOURCE, HEALTH\_INSURANCE, and HEALTH\_INSURANCE\_SCDII. The mapping grid shows data from the EMPLOYEE source being mapped to fields in the HEALTH\_INSURANCE\_SCDII target. The bottom status bar shows "Ready", the date "7/18/2022", and the time "9:38 PM".

## Filter Condition:

This screenshot shows the "Edit Transformations" dialog box overlaid on the PowerCenter Designer interface. The dialog has tabs for Transformation, Ports, Properties, and Metadata Extensions. The Transformation type is set to "FILTRANS". Under Transformation Attribute, it shows "INSURANCE\_TYPE='Health' AND FLAG='Y'". The "Filter Condition" section contains the text "Filter applied to records". At the bottom are OK, Cancel, Apply, and Help buttons. The background shows the same mapping setup as the previous screenshot.

## Workflow designer:

The screenshot shows the Informatica PowerCenter Workflow Manager - Workflow Designer interface. The top menu bar includes Repository, Edit, View, Tools, Layout, Versioning, Workflows, Tasks, Service, Connections, Window, Help. The title bar says "Informatica PowerCenter Workflow Manager - [Workflow Designer - Training\_Academy - [Repo\_Academy]]". The left sidebar shows repositories like INT\_RepolAcademy, Developer2, and Training\_Academy, with tasks such as s\_m\_EMP\_DEPT, s\_m\_Health\_Insu, s\_m\_HEALTH\_INSU, s\_m\_LOAD\_DEPT, and s\_m\_LOAD\_EMP. The main workspace shows a workflow titled "wf\_m\_Health\_Insurance\_Task1" with a "Start" node connected to a task node labeled "L\_m\_Health\_Insurance\_Task1". A message in the status bar says "Starting wf\_m\_Health\_Insurance\_Task1". The bottom status bar shows "Ready", the date "7/18/2022", and the time "9:39 PM".





## Workflow Monitor:

The screenshot shows the Informatica PowerCenter Workflow Monitor interface. On the left, there's a tree view of 'Repositories' containing 'Repo\_Academy' and 'Training\_Acs'. Under 'Repo\_Academy', there are several nodes including 'INT\_RepoAcader', 'Training\_Acs', and 'wf\_m\_He'. A 'Workflow Run' table lists one entry: 'wf\_m\_Health\_Insurance\_Task1' with a start time of 7/18/2022 9:33:56 PM, completion time of 7/18/2022 9:34:00 PM, and status 'Succeeded'. Below the table are two tabs: 'Gantt Chart' and 'Task View', with 'Task View' selected. The bottom status bar shows the date as 7/18/2022 and the time as 9:40 PM.

## Session log:

The screenshot shows the 'Log Events for Session: s\_m\_Health\_Insurance\_Task1' window. It displays a detailed log of session events. Key entries include:

- INFO 7/18/2022 9:33:59 PM node01 WRITER\_1\_1 WRT\_0043 "END LOAD SESSION"
- INFO 7/18/2022 9:33:59 PM node01 WRITER\_1\_1 WRT\_0006 Write run completed.
- INFO 7/18/2022 9:33:59 PM node01 MANAGER PETL\_24031 "RUN INFO FOR TGT LOAD ORDER GROUP [1]. CONCURRENT SET [1]"
- INFO 7/18/2022 9:33:59 PM node01 PETL\_24005 PETL\_24005 Starting post-session tasks.: (Mon Jul 18 21:33:59 2022)
- INFO 7/18/2022 9:33:59 PM node01 POST\_SESS PETL\_24091 Thread [POST-SESS] has the ID [8]
- INFO 7/18/2022 9:33:59 PM node01 MANAGER PETL\_24029 PETL\_24029 Post-session task completed successfully.: (Mon Jul 18 21:33:59 2022)
- INFO 7/18/2022 9:33:59 PM node01 MAPPING TM\_6018 The session completed with [0] row transformation errors.
- INFO 7/18/2022 9:33:59 PM node01 MANAGER PETL\_24002 Parallel Pipeline Engine finished.
- INFO 7/18/2022 9:34:00 PM node01 DIRECTOR PETL\_24012 Session run completed successfully.
- INFO 7/18/2022 9:34:00 PM node01 DIRECTOR TM\_6022

SESSION LOAD SUMMARY

Source Table	Affected Rows	Applied Rows	Rejected Rows
[SQ_HEALTH_INSURANCE_SCDII]	[23]	[23]	[0]
[Health_Insurance_Task1]	[0]	[0]	[0]

INFO 7/18/2022 9:34:00 PM node01 DIRECTOR TM\_6252 Source Load Summary.

INFO 7/18/2022 9:34:00 PM node01 DIRECTOR CMMI\_1740 Table [SQ\_HEALTH\_INSURANCE\_SCDII] Instance Name: [SQ\_HEALTH\_INSURANCE\_SCDII]

INFO 7/18/2022 9:34:00 PM node01 DIRECTOR TM\_6253 Target Load Summary.

INFO 7/18/2022 9:34:00 PM node01 DIRECTOR CMMI\_1740 Table [Health\_Insurance\_Task1] Instance Name: [Health\_Insurance\_Task1]

INFO 7/18/2022 9:34:00 PM node01 DIRECTOR TM\_6023

INFO 7/18/2022 9:34:00 PM node01 DIRECTOR TM\_6020 Session [s\_m\_Health\_Insurance\_Task1] completed at [Mon Jul 18 21:34:00 2022].

Severity: INFO  
Timestamp: 7/18/2022 9:33:58 PM  
Node: node01  
Thread: DIRECTOR  
Process ID: 336  
Message Code: TM\_6014  
Message: Initializing session [s\_m\_Health\_Insurance\_Task1] at [Mon Jul 18 21:33:58 2022].

The bottom status bar shows the date as 7/18/2022 and the time as 9:41 PM.

## Result:

The screenshot shows a Notepad window titled 'health\_insurance\_task1.txt'. The content of the file is a large text dump of session logs, identical to the ones shown in the previous screenshot. The logs detail the execution of the session, including the creation of threads, the execution of various stages like WRITER, MAPPING, and DIRECTOR, and the final completion of the session. The Notepad window has a standard Windows title bar with icons for File, Edit, Format, View, and Help.



**Question2:****Fetch details of customer for given policy number 436596  
Source**

Informatica PowerCenter Designer - [Source Analyzer - Training\_Academy - [Repo\_Academy]]

K. Name	Datatype
SNO	number
ACCOUNT_NU	number(p,s)
INSURANCE_T	string
INSURANCE_P	varchar2
INSURANCE_R	string
EFF_DATE	date
END_DATE	date
TOTAL_ESTIMATED	number
PREMIUM_AM	number(p,s)
POLICY_NUMB	number(p,s)
CLAIMSIMMON	varchar2
CLAIM_DATE	date
PREMIUM_PAY	date
MEMBERS_CO	number(p,s)
HOSPITALS	varchar2
FLAG	varchar2

**Target**

Informatica PowerCenter Designer - [Target Designer - Training\_Academy - [Repo\_Academy]]

K. Name	Datatype
ACCOUNT_NU	number
INSURANCE_T	string
INSURANCE_P	string
INSURANCE_R	string
EFF_DATE	date
END_DATE	date
TOTAL_ESTIMATED	number
PREMIUM_AM	number
POLICY_NUMB	number
CLAIMSIMMON	string
CLAIM_DATE	date
PREMIUM_PAY	date
MEMBERS_CO	number
HOSPITALS	string

**Mapping**

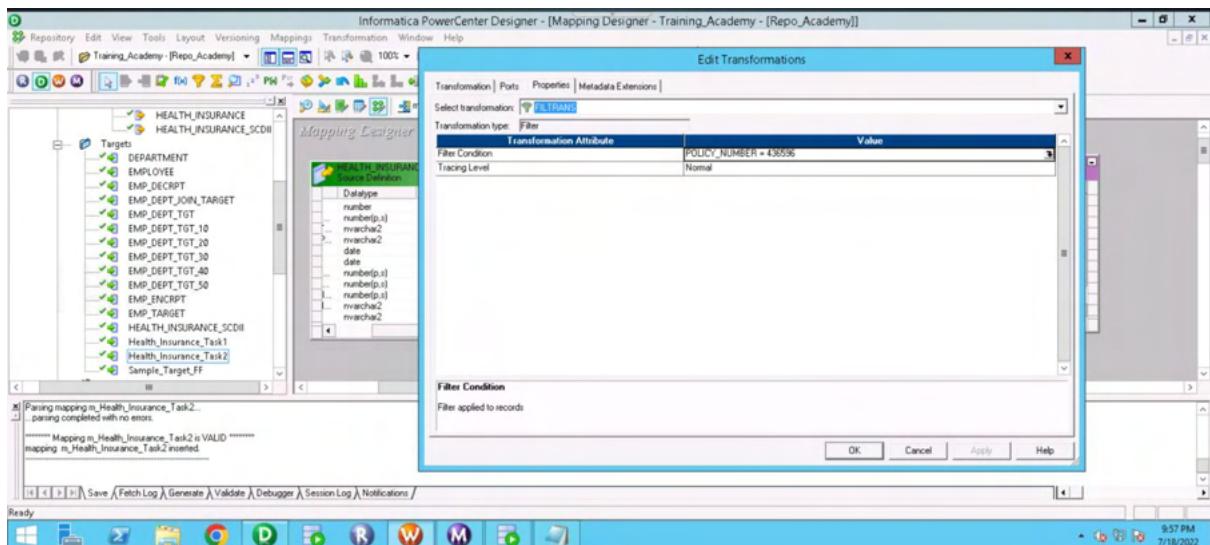
Informatica PowerCenter Designer - [Mapping Designer - Training\_Academy - [Repo\_Academy]]

Name	Datatype
SNO	double
ACCOUNT_NU	number
INSURANCE_T	string
INSURANCE_P	string
INSURANCE_R	string
EFF_DATE	date
END_DATE	date
TOTAL_ESTIMATED	decimal
PREMIUM_AM	decimal
POLICY_NUMB	string
CLAIMSIMMON	string
CLAIM_DATE	date
PREMIUM_PAY	date

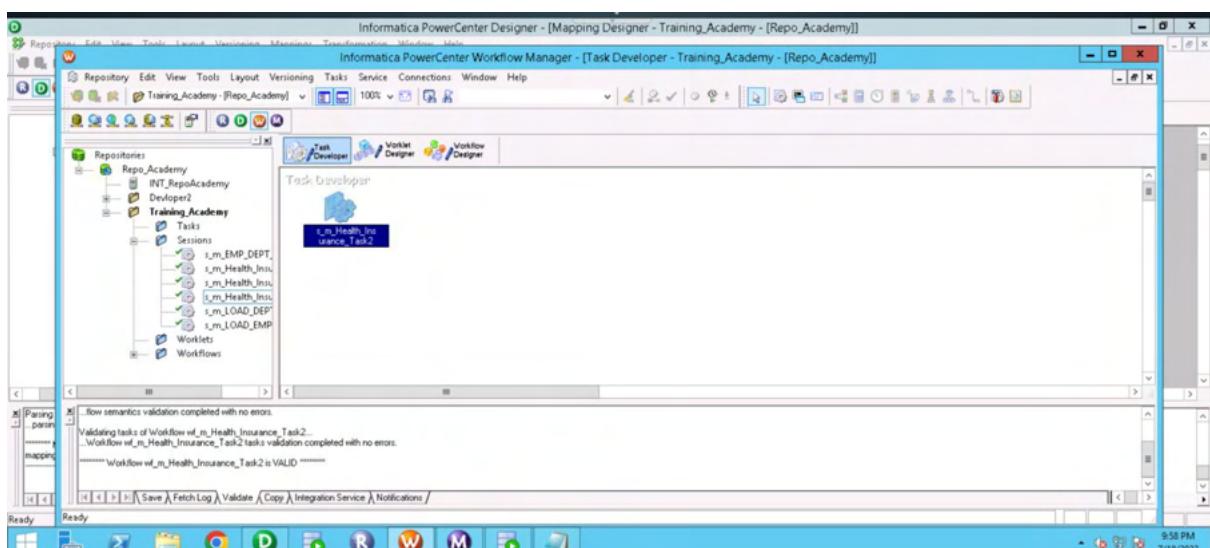




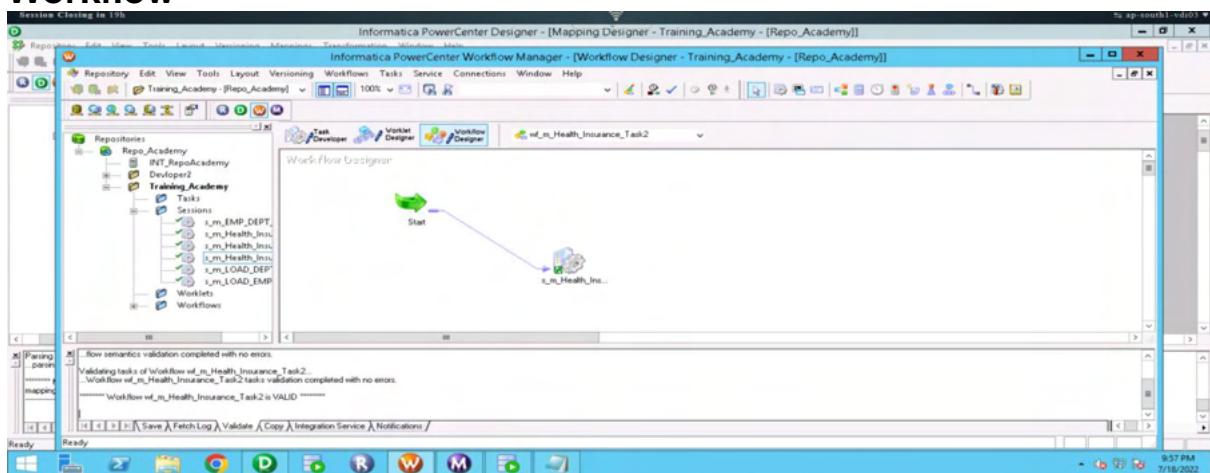
## Filter Condition



## Session

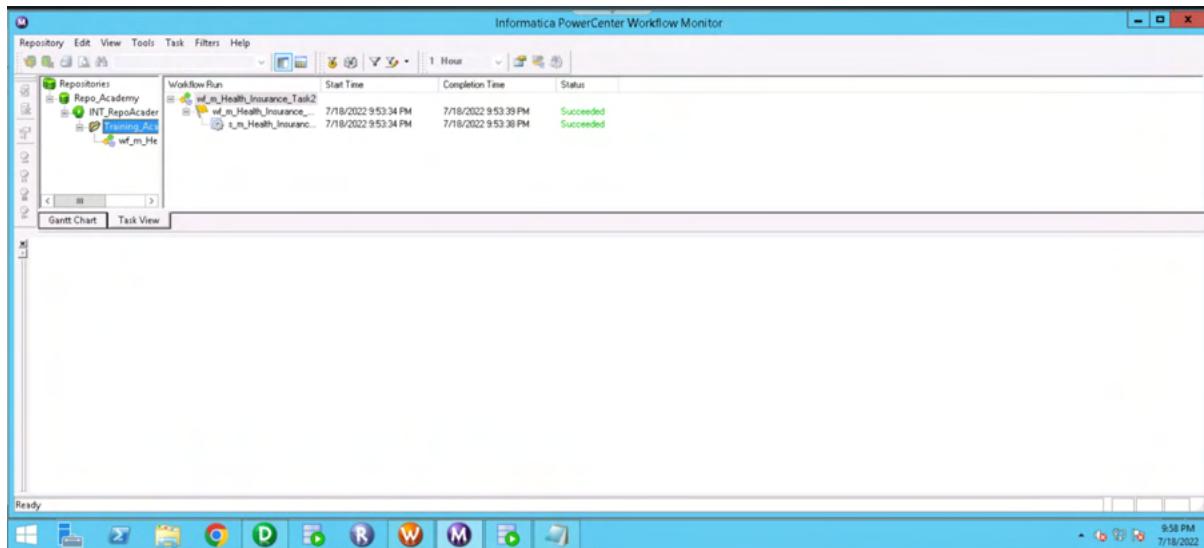


## Workflow





## Workflow Success



## Session Log

```
Session Closing at 178
Log Events for Session: s_m_Health_Insurance_Task2
Save As... Copy Find... Refresh
Severity Timestamp / Node Thread Message Co. Message
INFO 7/18/2022 9:53:37 PM node01 WRTER_1_1 WRT_8043 ====="END LOAD SESSION"
INFO 7/18/2022 9:53:37 PM node01 WRTER_1_1 WRT_8006 Writer run completed.
INFO 7/18/2022 9:53:37 PM node01 MANAGER PETL_24031 ====="RUN INFO FOR TGT LOAD ORDER GROUP [1]: CONCURRENT SET [1] =====
Thread [READER_1_1] created for [the read stage] of partition point [SQ_HEALTH_INSURANCE_SCDII] has completed. The total run time was insufficient for any meaningful statistics.
Thread [TRANSF_1_1] created for [the transformation stage] of partition point [SQ_HEALTH_INSURANCE_SCDII] has completed. The total run time was insufficient for any meaningful statistics.
Thread [WRTER_1_1] created for [the write stage] of partition point [Health_Insurance_Task2] has completed. The total run time was insufficient for any meaningful statistics.

INFO 7/18/2022 9:53:37 PM node01 MANAGER PETL_24005 PETL_24005 Starting post-session tasks.: (Mon Jul 18 21:53:37 2022)
INFO 7/18/2022 9:53:37 PM node01 POST-SESS PETL_24091 Thread [POST-SESS] has the ID [8]
INFO 7/18/2022 9:53:37 PM node01 MANAGER PETL_24029 PETL_24029 Post-session task completed successfully. (Mon Jul 18 21:53:37 2022)
INFO 7/18/2022 9:53:37 PM node01 MAPPING TM_6018 The session completed with [0] row transformation errors.
INFO 7/18/2022 9:53:38 PM node01 MANAGER PETL_24004 Parallel Pipeline Engine finished.
INFO 7/18/2022 9:53:38 PM node01 DIRECTOR PETL_24012 Session run completed successfully.
INFO 7/18/2022 9:53:38 PM node01 DIRECTOR TM_6022

SESSION LOAD SUMMARY
=====
INFO 7/18/2022 9:53:38 PM node01 DIRECTOR TM_6252 Source Load Summary.
INFO 7/18/2022 9:53:38 PM node01 DIRECTOR OMN_1740 Table [SQ_HEALTH_INSURANCE_SCDII] (Instance Name: [SQ_HEALTH_INSURANCE_SCDII])
INFO 7/18/2022 9:53:38 PM node01 DIRECTOR TM_6253 Target Load Summary.
INFO 7/18/2022 9:53:38 PM node01 DIRECTOR OMN_1740 Table [Health_Insurance_Task2] (Instance Name: [Health_Insurance_Task2])
INFO 7/18/2022 9:53:38 PM node01 DIRECTOR TM_6023

=====
INFO 7/18/2022 9:53:38 PM node01 DIRECTOR TM_6020 Session [s_m_Health_Insurance_Task2] completed at [Mon Jul 18 21:53:38 2022]

Session Info
Timestamp: 7/18/2022 9:53:36 PM
Node: node01
Thread: DIRECTOR
Process ID: 1152
Message Code: TM_6014
Message: Initializing session [s_m_Health_Insurance_Task2] at [Mon Jul 18 21:53:36 2022].
```

## Output

```
File Edit Format View Help
health_insurance_task2.txt - Notepad
@ACCOUNT_NUMBER,INSURANCE_TYPE,INSURANCE_PLAN,EFF_DATE,END_DATE,TOTAL_ESTIMATED_AMOUNT,PREMIUM_AMOUNT,POLICY_NUMBER,CLAIMSINMONTH,CLAIM_DATE,PREMIUM_PAYMENT_DATE,MEMBERS_COVERED,HOSPITALS
99937221117,Health,Semi_Annually,08/02/2021 00:00:00,08/02/2022 00:00:00,60000,5000,436596,Y,16-07-2021,07/14/2021 00:00:00,1,Bhumi Hospital
```





## Question3

## To Find Policy Expiry Date for given Policy Number

545215.

## Source

## Target

The screenshot shows the Informatica PowerCenter Designer interface. The title bar reads "Informatica PowerCenter Designer - [Target Designer - Training\_Academy - [Repo\_Academy]]". The left pane displays the target structure for "HEALTH\_INSURANCE\_SCDII", listing tables such as DEPARTMENT, EMPLOYEE, and various views and tasks. The right pane shows the "Target Designer" grid with the following data:

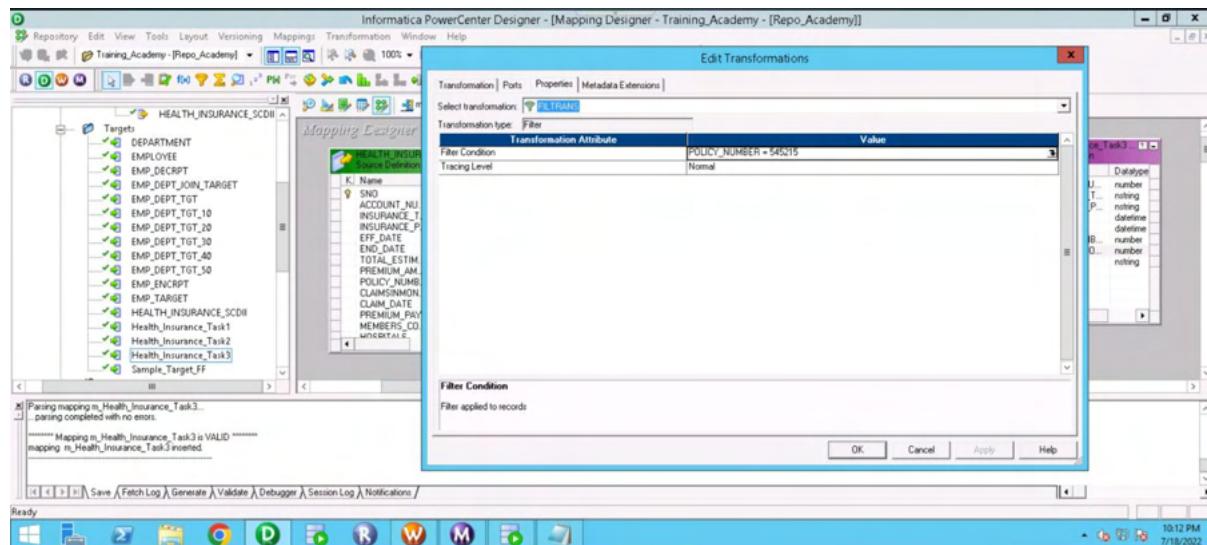
Name	Data type	Length
ACCOUNT_NUM	number	13
INSURANCE_TYPE	string	26
MEMBERSHIP_ID	string	26
EFF_DATE	datetime	29
END_DATE	datetime	29
POLICY_ID	number	3
MEMBERS_CO	number	3
HOSPITALS	string	26

A message bar at the bottom left states: "Mapping completed in m\_Health\_Insurance\_Task3... mapping completed with no errors." Another message below it says: "Mapping m\_Health\_Insurance\_Task3 is VALID" and "mapping m\_Health\_Insurance\_Task3 inserted."

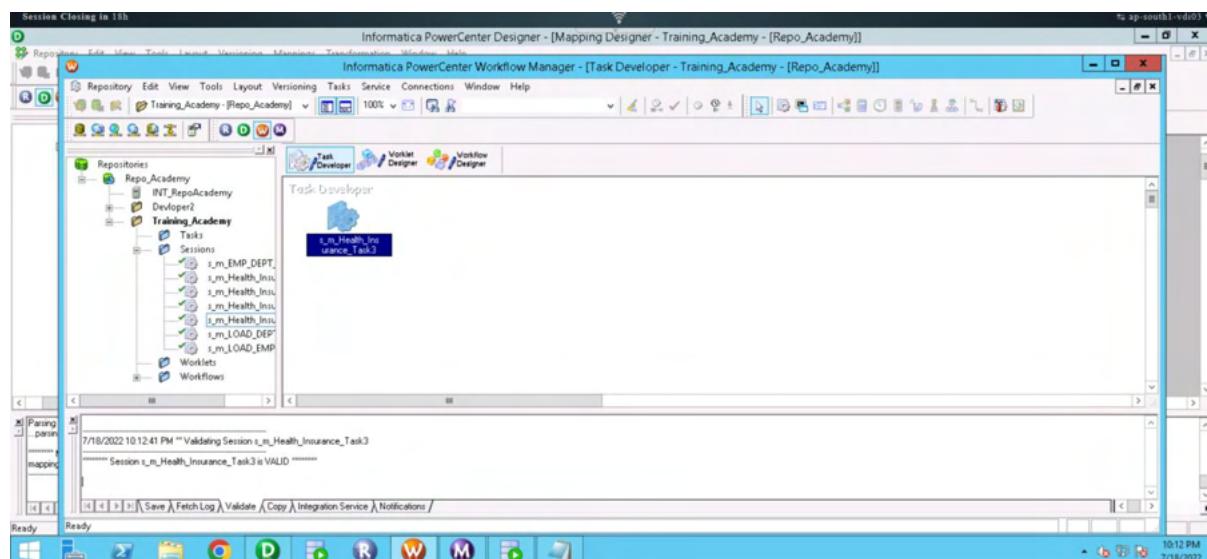
## Mapping



## Filter Condition

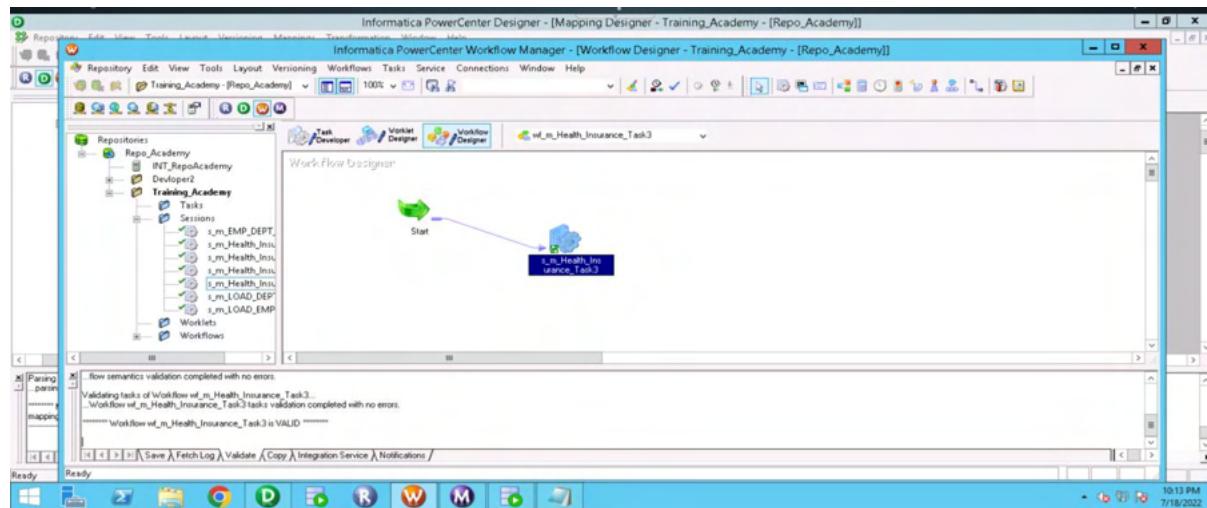


## Session

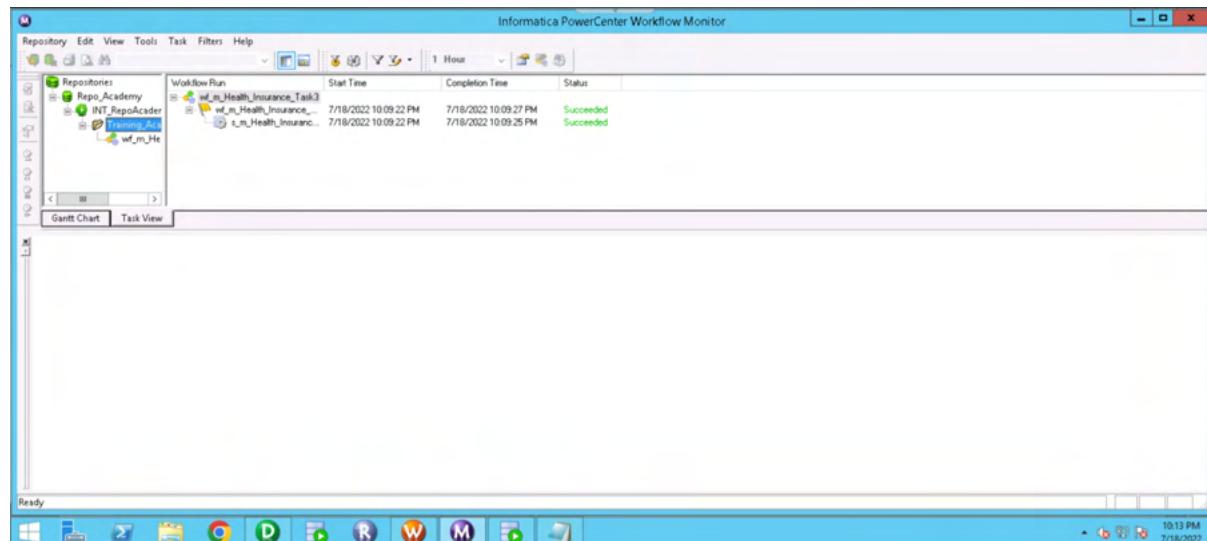




## Workflow



## Workflow Success



## Session Log

Log Events for Session: s\_m\_Health\_Insurance\_Task3

Severity	Timestamp	Node	Thread	Message Co.	Message
INFO	7/18/2022 10:09:24 PM	node01	WRITER_1_1_1	WRT_0043	***END LOAD SESSION***
INFO	7/18/2022 10:09:24 PM	node01	WRITER_1_1_1	WRT_0006	Writer run completed.
INFO	7/18/2022 10:09:24 PM	node01	MANAGER	PETL_24031	*** RUN INFO FOR TGT LOAD ORDER GROUP [1] CONCURRENT SET [1] ***
					Thread [READER_1_1_1] created for [the read stage] of partition point [SQ_HEALTH_INSURANCE_SCD0] has completed. The total run time was insufficient for any meaningful statistics.
					Thread [TRANSF_1_1_1] created for [the transformation stage] of partition point [SQ_HEALTH_INSURANCE_SCD0] has completed. The total run time was insufficient for any meaningful statistics.
					Thread [WRITER_1_1_1] created for [the write stage] of partition point [Health_Insurance_Task3] has completed. The total run time was insufficient for any meaningful statistics.
INFO	7/18/2022 10:09:25 PM	node01	MANAGER	PETL_24005	PETL_24005 Starting post-session tasks.: [Mon Jul 18 22:09:25 2022]
INFO	7/18/2022 10:09:25 PM	node01	POST-SESS	PETL_24091	Thread [POST-SESS] the ID [8]
INFO	7/18/2022 10:09:25 PM	node01	MANAGER	PETL_24029	PETL_24029 Post-session task completed successfully.: [Mon Jul 18 22:09:25 2022]
INFO	7/18/2022 10:09:25 PM	node01	MAPPING	TM_6018	Tgt session completed with [0] row transformation error.
INFO	7/18/2022 10:09:25 PM	node01	MANAGER	PETL_24002	Parallel Pipeline Engine finished.
INFO	7/18/2022 10:09:25 PM	node01	DIRECTOR	PETL_24012	Session run completed successfully.
INFO	7/18/2022 10:09:25 PM	node01	DIRECTOR	TM_6022	
<hr/> SESSION LOAD SUMMARY <hr/>					
INFO	7/18/2022 10:09:25 PM	node01	DIRECTOR	TM_6252	Source Load Summary.
INFO	7/18/2022 10:09:25 PM	node01	DIRECTOR	CMM_1740	Table [SQ_HEALTH_INSURANCE_SCD0] [Instance Name: [SQ_HEALTH_INSURANCE_SCD0]] Output Rows [23] Affected Rows [23] Applied Rows [23] Rejected Rows [0]
INFO	7/18/2022 10:09:25 PM	node01	DIRECTOR	TM_6253	Target Load Summary.
INFO	7/18/2022 10:09:25 PM	node01	DIRECTOR	CMM_1740	Table [Health_Insurance_Task3] [Instance Name: [Health_Insurance_Task3]] Output Rows [1] Affected Rows [1] Applied Rows [1] Rejected Rows [0]
INFO	7/18/2022 10:09:25 PM	node01	DIRECTOR	TM_6023	
<hr/>					
INFO	7/18/2022 10:09:25 PM	node01	DIRECTOR	TM_6020	Session [s_m_Health_Insurance_Task3] completed at [Mon Jul 18 22:09:25 2022].

Severity: INFO  
Timestamp: 7/18/2022 10:09:24 PM  
Node: node01  
Thread: DIRECTOR  
Process ID: 2532  
Message Code: TM\_6014  
Message: Initializing session [s\_m\_Health\_Insurance\_Task3] at [Mon Jul 18 22:09:24 2022].

10:13 PM  
7/18/2022





## Output

```
#ACCOUNT_NUMBER,INSURANCE_TYPE,INSURANCE_PLAN,EFF_DATE,END_DATE,POLICY_NUMBER,MEMBERS_COVERED,HOSPITALS
50332583823,Life,Semi_Annually,09/03/2021 00:00:00,09/03/2022 00:00:00,545215,1,NA
```

### Question4:

To display pre matured policies.

## Source

The screenshot shows the Informatica PowerCenter Designer - Source Analyzer interface. On the left, there is a schema browser tree with various objects like DEPARTMENT, EMPLOYEE, EMP\_DECRYPT, etc. In the center, a table definition window is open for a table named 'Health\_Insurance\_Task4'. The table has the following columns:

Name	Datatype	L
SNO	number	15
ACCOUNT_NU	number(p,s)	13
INSURANCE_T	varchar2	26
INSURANCE_P	varchar2	26
EFF_DATE	date	19
END_DATE	date	19
TOTAL_ESTIM	number(p,s)	7
PREMIUM_AM	number(p,s)	6
POLICY_NUMB	number(p,s)	8
CLAIM_NUMBON	varchar2	26
CLAIM_DATE	varchar2	26
PREMIUM_PAY	date	19
MEMBERS_CO	number(p,s)	3
HOSPITALS	varchar2	26
FLAG	varchar2	15

At the bottom of the interface, there is a message: "Mapping m\_Health\_Insurance\_Task4 is VALID" and "mapping m\_Health\_Insurance\_Task4 inserted."





## Target

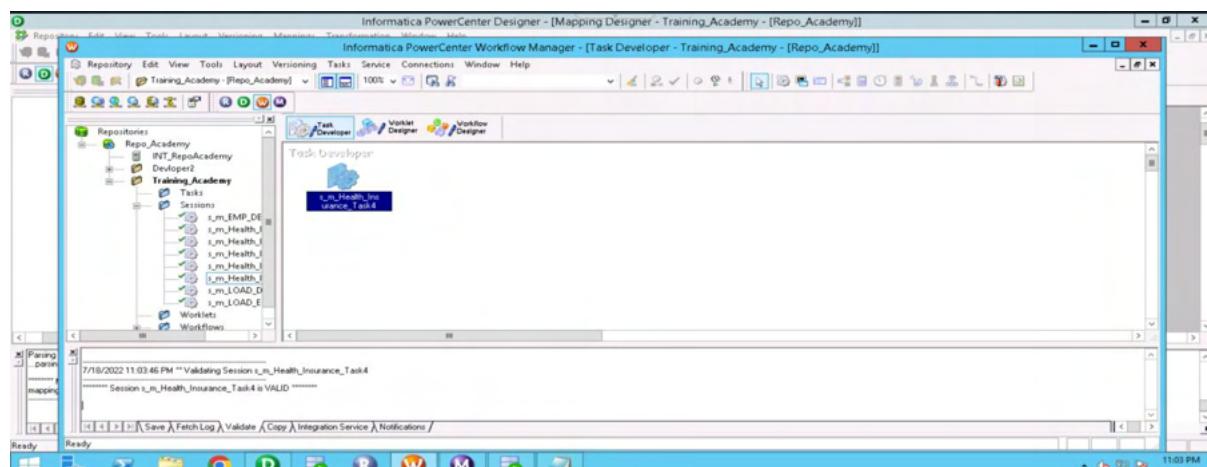
## Mapping

## Filter Condition

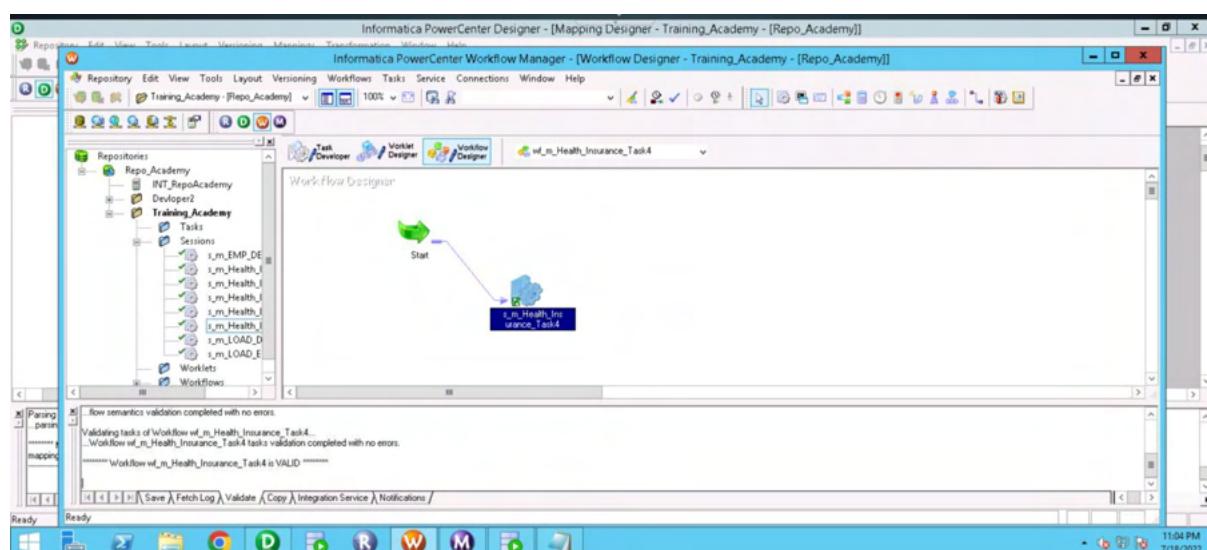




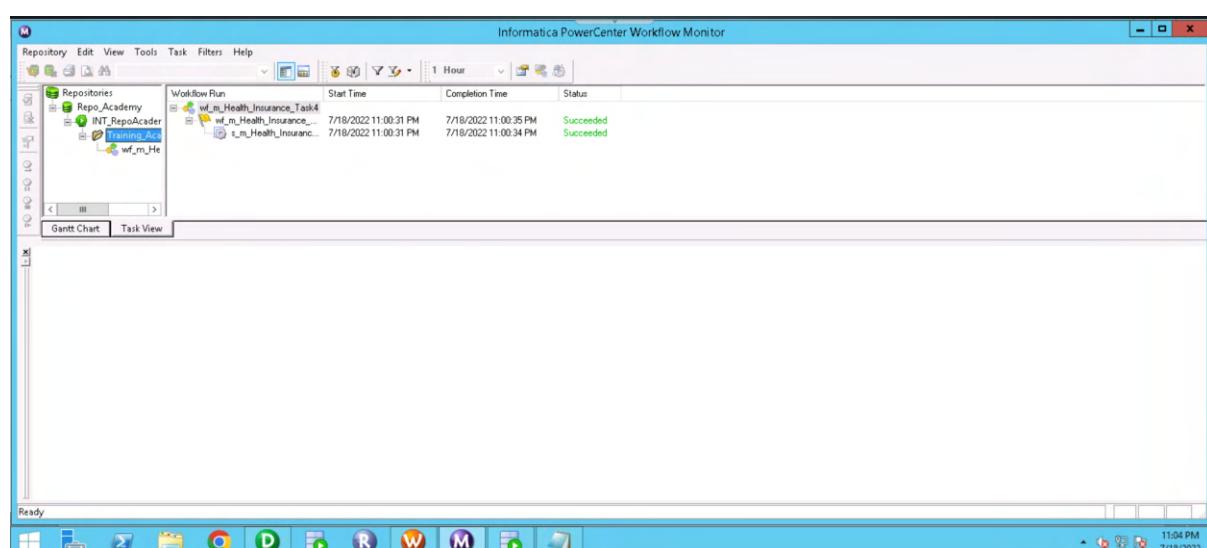
## Session



## Workflow



## Workflow Success





## Session Log

Log Events For Session [s_m_Health_Insurance_Task4]							
Severity	Timestamp	Node	Thread	Message Co.	Message		
INFO	7/18/2022 11:00:33 PM	node01	wRITER_1_1	WRT_0043	====>>>END LOAD SESSION====		
INFO	7/18/2022 11:00:33 PM	node01	wRITER_1_1	WRT_0006	Writer run completed		
INFO	7/18/2022 11:00:33 PM	node01	MANAGER	PETL_24021	===== RUN INFO FOR PETL (LOAD ORDER GROUP [1]) CONCURRENT SET [1] =====		
					Parallel Pipeline Engine created for the (the stage) parallel partition [S0_HEALTH_INSURANCE_SCD0] has completed. The total run time was insufficient for any meaningful statistics.		
					Thread [TRANSF_1_1] created for the (transformation) stage of partition part [S0_HEALTH_INSURANCE_SCD0] has completed. The total run time was insufficient for any meaningful statistics.		
					Thread [TRANSF_1_1] created for the (the stage) parallel partition [Health_Insurance_Task4] has completed. The total run time was insufficient for any meaningful statistics.		
INFO	7/18/2022 11:00:34 PM	node01	MANAGER	PETL_24005	PETL_24005-0001-0001 [1] completed successfully. [Mon Jul 18 23:00:34 2022]		
INFO	7/18/2022 11:00:34 PM	node01	POST-SESS	PETL_24091	Thread [POST-SESS] has the ID [8]		
INFO	7/18/2022 11:00:34 PM	node01	MANAGER	PETL_24020	PETL_24020-0001-0001 [1] completed successfully. [Mon Jul 18 23:00:34 2022]		
INFO	7/18/2022 11:00:34 PM	node01	MANAGER	PETL_24021	PETL_24021-0001-0001 [1] completed successfully. [Mon Jul 18 23:00:34 2022]		
INFO	7/18/2022 11:00:34 PM	node01	MANAGER	PETL_24002	Parallel Pipeline Engine treated		
INFO	7/18/2022 11:00:34 PM	node01	DIRECTOR	PETL_24012	Session run completed successfully.		
INFO	7/18/2022 11:00:34 PM	node01	DIRECTOR	TM_6022	SESSION LOAD SUMMARY		
					Source Load Summary:		
					Table [S0_HEALTH_INSURANCE_SCD0] (Instance Name: [S0_HEALTH_INSURANCE_SCD0])		
					Output Rows [23] Affected Rows [23] Applied Rows [23] Rejected Rows [0]		
					Target [S0_HEALTH_INSURANCE_Task4] (Instance Name: [Health_Insurance_Task4])		
					Table [Health_Insurance_Task4] (Instance Name: [Health_Insurance_Task4])		
					Output Rows [0] Affected Rows [0] Applied Rows [0] Rejected Rows [0]		
					=====		
INFO	7/18/2022 11:00:34 PM	node01	DIRECTOR	TM_6023	Session [s_m_Health_Insurance_Task4] completed at [Mon Jul 18 23:00:34 2022].		

## Output

```
File Edit Format View Help health_insurance_task4.txt - Notepad
#ACCOUNT_NUMBER,INSURANCE_TYPE,INSURANCE_PLAN,EFF_DATE,END_DATE,TOTAL_ESTIMATED_AMOUNT,PREMIUM_AMOUNT,POLICY_NUMBER,CLAIMSINMONTH,CLAIM_DATE,PREMIUM_PAYMENT_DATE,MEMBERS_COVERED,HOSPITALS
52646219769,Life,Monthly,10/29/2021 00:00:00,10/30/2022 00:00:00,84000,7000,547699,Y,14-07-2021,07/13/2021 00:00:00,3,Navodaya Hospital
9993721117,Health,Semi_Annually,08/02/2021 00:00:00,08/02/2022 00:00:00,60000,5000,436596,Y,16-07-2021,07/14/2021 00:00:00,1,Bhumi Hospital
15296923778,Life,Yearly,10/27/2021 00:00:00,10/27/2022 00:00:00,66000,5500,483539,Y,18-07-2021,07/05/2021 00:00:00,1,Navodaya Hospital
24270949198,Life,Quarterly,10/01/2021 00:00:00,10/01/2022 00:00:00,84000,7000,464516,Y,23-07-2021,07/16/2021 00:00:00,5,Navodaya Hospital
91148340256,Health,Yearly,10/03/2021 00:00:00,10/03/2022 00:00:00,60000,5000,694766,Y,28-07-2021,07/25/2021 00:00:00,4,Bhumi Hospital
42963351664,Life,Quarterly,07/04/2021 00:00:00,07/04/2022 00:00:00,48000,6000,872076,Y,14-07-2021,07/04/2021 00:00:00,4,Navodaya Hospital
```

## Question5

To find the customers who have paid the premium amount (Monthly, Yearly)

## Source

Parsing mapping m\_Health\_Insurance\_Task5...  
parsing completed with no errors.  
----- Mapping m\_Health\_Insurance\_Task5 is VALID -----  
mapping m\_Health\_Insurance\_Task5 updated



## Target

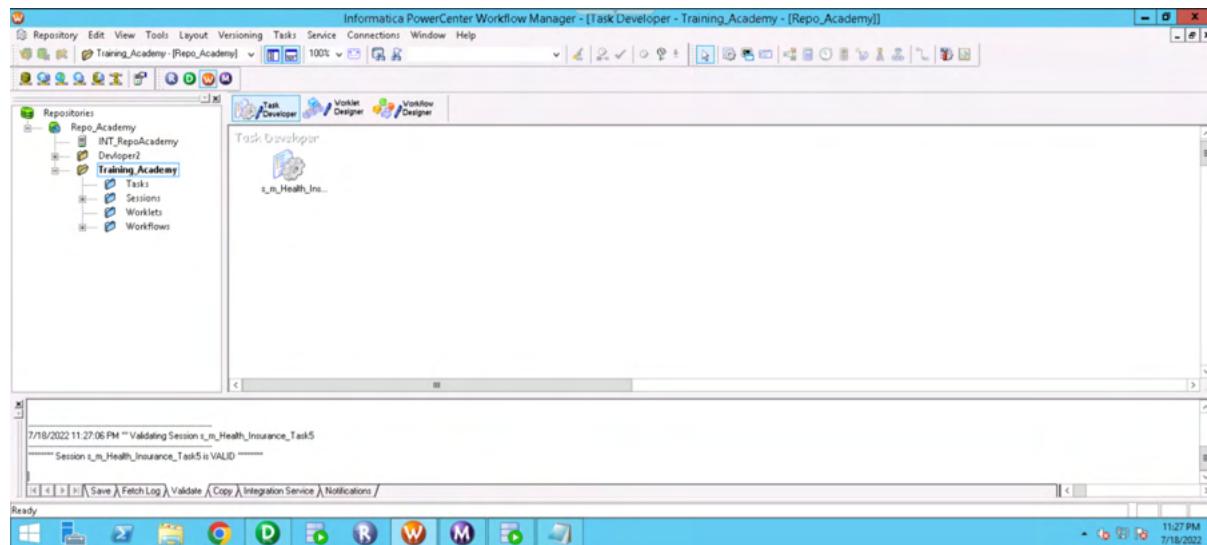
## Mapping

## Filter Condition

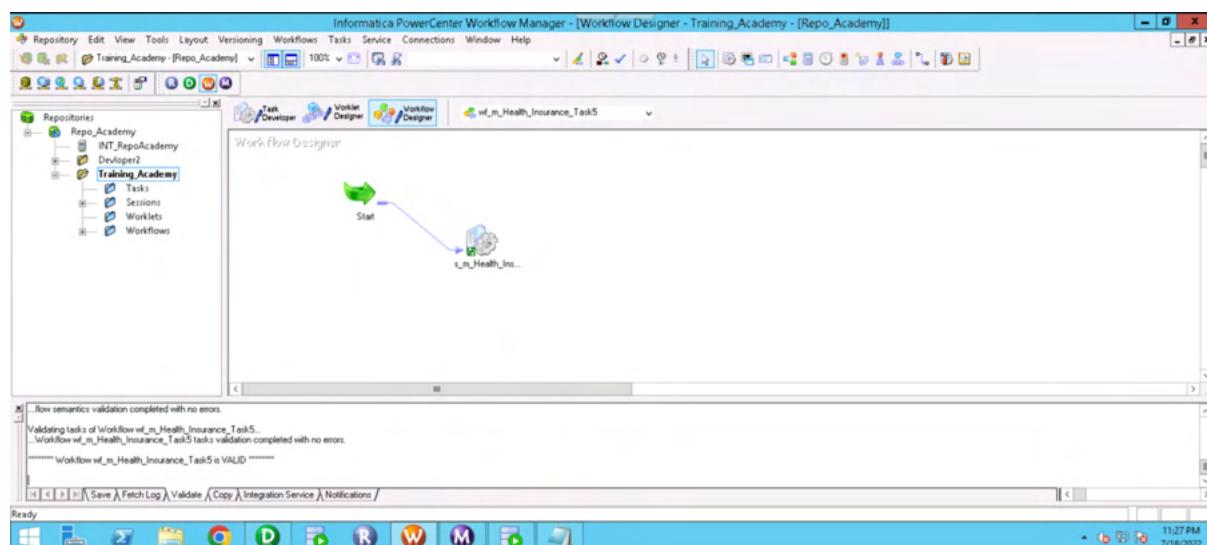




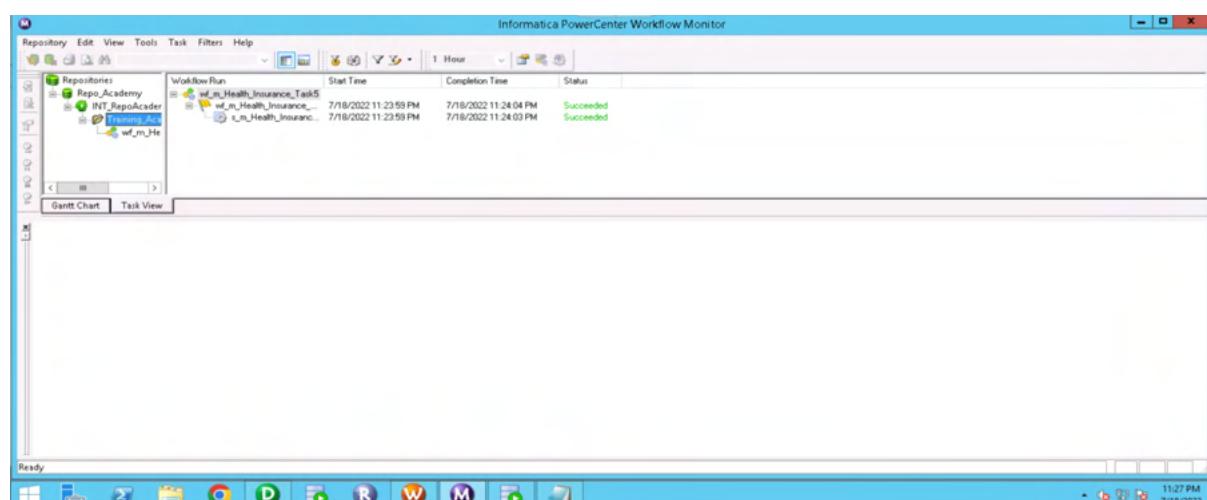
## Session



## Workflow



## Workflow Success





## Session Log

Log Events for Session: s\_m\_Health\_Insurance\_Task5

Severity	Timestamp	Node	Thread	Message Co...	Message
INFO	7/18/2022 11:24:02 PM	node01	W\WRITER_1_1_1	WRT_8043	*****END LOAD SESSION*****
INFO	7/18/2022 11:24:02 PM	node01	W\WRITER_1_1_1	WRT_8006	Writer run completed.
INFO	7/18/2022 11:24:02 PM	node01	MANAGER	PETL_24031	***** RUN INFO FOR TGT LOAD ORDER GROUP [1], CONCURRENT SET [1] *****
					Thread [READER_1_1_1] created for [the read stage] of partition point [SQ_HEALTH_INSURANCE_SCD0] has completed. The total run time was insufficient for any meaningful statistics.
					Thread [TRANSF_1_1_1] created for [the transformation stage] of partition point [SQ_HEALTH_INSURANCE_SCD0] has completed. The total run time was insufficient for any meaningful statistics.
					Thread [WRITER_1_1_1] created for [the write stage] of partition point [Health_Insurance_Task5] has completed. The total run time was insufficient for any meaningful statistics.
INFO	7/18/2022 11:24:02 PM	node01	MANAGER	PETL_24005	PETL_24005 Starting post-session tasks.: [Mon Jul 18 23:24:02 2022]
INFO	7/18/2022 11:24:02 PM	node01	POST-SESS	PETL_24091	Thread [POST-SESS] has the ID [8].
INFO	7/18/2022 11:24:02 PM	node01	MANAGER	PETL_24029	PETL_24029 Post-session task completed successfully.: [Mon Jul 18 23:24:02 2022]
INFO	7/18/2022 11:24:03 PM	node01	MANAGER	PETL_24010	The session completed with [0] row transformation errors.
INFO	7/18/2022 11:24:03 PM	node01	MANAGER	PETL_24002	Parallel Pipeline Engine finished.
INFO	7/18/2022 11:24:03 PM	node01	DIRECTOR	PETL_24012	Session run completed successfully.
INFO	7/18/2022 11:24:03 PM	node01	DIRECTOR	TM_6022	SESSION LOAD SUMMARY
INFO	7/18/2022 11:24:03 PM	node01	DIRECTOR	TM_6252	Source Load Summary.
INFO	7/18/2022 11:24:03 PM	node01	DIRECTOR	CMN_1740	Table [SQ_HEALTH_INSURANCE_SCD0] [Instance Name: SQ_HEALTH_INSURANCE_SCD0]
INFO	7/18/2022 11:24:03 PM	node01	DIRECTOR	TM_6253	Target Load Summary.
INFO	7/18/2022 11:24:03 PM	node01	DIRECTOR	CMN_1740	Table [Health_Insurance_Task5] [Instance Name: Health_Insurance_Task5]
INFO	7/18/2022 11:24:03 PM	node01	DIRECTOR	TM_6023	Output Rows [0]; Affected Rows [0]; Applied Rows [0]; Rejected Rows [0]
INFO	7/18/2022 11:24:03 PM	node01	DIRECTOR	TM_6020	Session [s_m_Health_Insurance_Task5] completed at [Mon Jul 18 23:24:03 2022].

Severity: INFO  
Timestamp: 7/18/2022 11:24:02 PM  
Node: node01  
Thread: DIRECTOR  
Process ID: 4040  
Message Code: TM\_6014  
Message: Initializing session [s\_m\_Health\_Insurance\_Task5] at [Mon Jul 18 23:24:02 2022].

Windows Taskbar: 11:28 PM, 7/18/2022

## Output

health\_insurance\_task5.txt - Notepad

```
File Edit Format View Help
[ACOUNT_NUMBER,INSURANCE_TYPE,INSURANCE_PLAN,EFF_DATE,END_DATE,TOTAL_ESTIMATED_AMOUNT,PREMIUM_AMOUNT,POLICY_NUMBER,CLAIMSINMONTH,CLAIM_DATE,PREMIUM_PAYMENT_DATE,MEMBERS_COVERED,HOSPITALS
15290923778,Life,Yearly,18/27/2021 00:00:00,18/27/2022 00:00:00,66000,55000,48359,Y,18-07-2021,07/05/2021 00:00:00,1,Navodaya Hospital
91140348256,Health,Yearly,18/03/2021 00:00:00,18/03/2022 00:00:00,60000,50000,694760,Y,28-07-2021,07/25/2021 00:00:00,4,Bhumi Hospital
92070954399,Health,Yearly,09/18/2021 00:00:00,09/18/2022 00:00:00,36000,30000,514689,N,NA,07/15/2021 00:00:00,1,NA
60154174433,Health,Yearly,07/07/2021 00:00:00,07/07/2022 00:00:00,65000,55000,237615,N,NA,07/29/2021 00:00:00,2,NA
76882277674,Health,Monthly,09/24/2022 00:00:00,09/24/2023 00:00:00,60000,50000,415346,N,NA,06/23/2022 00:00:00,6,NA
27911704621,Life,Monthly,09/03/2022 00:00:00,09/03/2023 00:00:00,36000,30000,635840,N,NA,06/21/2022 00:00:00,1,NA
71912866980,Health,Monthly,18/14/2022 00:00:00,18/14/2023 00:00:00,40000,40000,121377,N,NA,06/08/2022 00:00:00,3,NA
51041104438,Health,Monthly,07/29/2022 00:00:00,07/29/2023 00:00:00,65000,55000,440601,N,NA,06/09/2022 00:00:00,6,NA
52646210969,Life,Monthly,16/21/2022 00:00:00,16/21/2023 00:00:00,84000,70000,595654,N,NA,06/13/2022 00:00:00,3,NA]
```

Windows Taskbar: 11:28 PM, 7/18/2022





## Question6

To Find Premium Payment date for given policy number

514680

### Source

The screenshot shows the Informatica PowerCenter Designer - Source Analyzer window. On the left, there is a tree view of source objects: EMPLOYEE, EMP\_DECRYPT, EMP\_DEPT\_JOIN\_TARGET, EMP\_DEPT\_TGT, EMP\_DEPT\_TGT\_10, EMP\_DEPT\_TGT\_20, EMP\_DEPT\_TGT\_30, EMP\_DEPT\_TGT\_40, EMP\_DEPT\_TGT\_50, EMP\_ENCRYPT, EMP\_TARGET, HEALTH\_INSURANCE\_SCDII, Health\_Insurance\_Task1, Health\_Insurance\_Task2, Health\_Insurance\_Task3, Health\_Insurance\_Task4, Health\_Insurance\_Task5, Health\_Insurance\_Task6, and Sample\_Target\_FF. In the center, a table named "Health\_Insurance\_Task6" is displayed with columns K\_Name, Datatype, and L. The table contains the following data:

K_Name	Datatype	L
SNO	number	15
ACCOUNT_NU	number(p,s)	13
INSURANCE_T_	varchar2	26
INSURANCE_P_	varchar2	26
EFF_DATE	date	19
END_DATE	date	19
TOTAL_ESTIM	number(p,s)	7
PREMIUM_AM	number(p,s)	6
POLICY_NUMB	number(p,s)	8
CLAIMSDNMBN	varchar2	26
CLAIM_DATE	varchar2	26
PREM_PAY_DAY	date	19
MEMBERS_CO	number(p,s)	3
HOSPITALS	varchar2	26
FLAG	varchar2	15

At the bottom of the interface, there is a status bar with the message "Mapping mapping n\_Health\_Insurance\_Task6... parsing completed with no errors.", "Mapping n\_Health\_Insurance\_Task6 is VALID.", and "mapping n\_Health\_Insurance\_Task6 inserted." The system status bar at the bottom right shows "11:37 PM 7/18/2022".

### Target

The screenshot shows the Informatica PowerCenter Designer - Target Designer window. On the left, there is a tree view of target objects: EMPLOYEE, EMP\_DECRYPT, EMP\_DEPT\_JOIN\_TARGET, EMP\_DEPT\_TGT, EMP\_DEPT\_TGT\_10, EMP\_DEPT\_TGT\_20, EMP\_DEPT\_TGT\_30, EMP\_DEPT\_TGT\_40, EMP\_DEPT\_TGT\_50, EMP\_ENCRYPT, EMP\_TARGET, HEALTH\_INSURANCE\_SCDII, Health\_Insurance\_Task1, Health\_Insurance\_Task2, Health\_Insurance\_Task3, Health\_Insurance\_Task4, Health\_Insurance\_Task5, Health\_Insurance\_Task6, and Sample\_Target\_FF. In the center, a table named "Health\_Insurance\_Task6" is displayed with columns K\_Name, Datatype, and L. The table contains the following data:

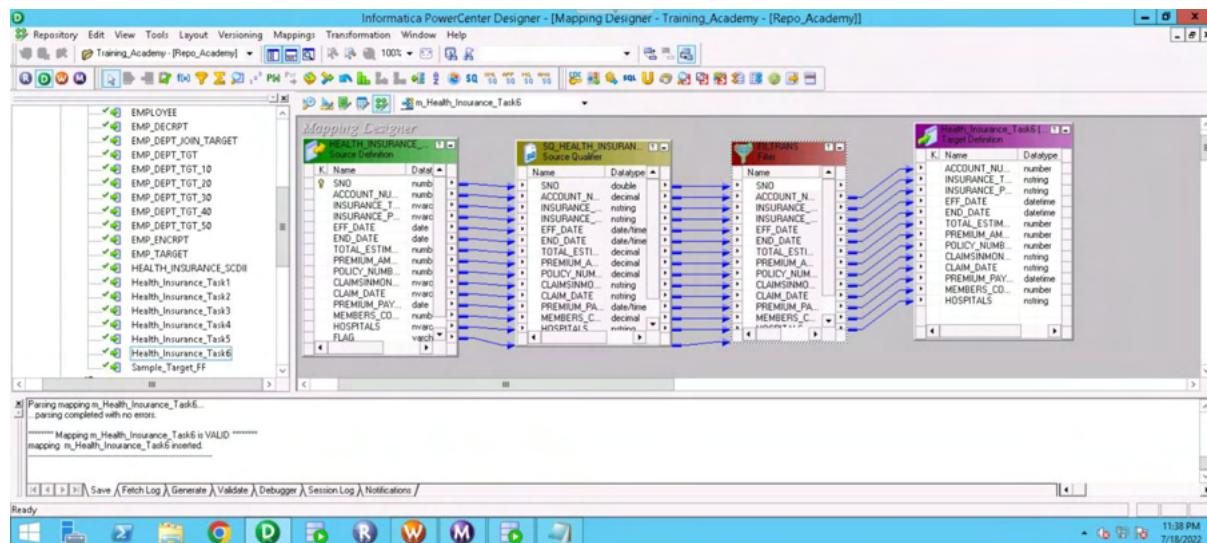
K_Name	Datatype	L
ACCOUNT_NU	number	13
INSURANCE_T_	string	26
INSURANCE_P_	string	26
EFF_DATE	datetime	29
END_DATE	datetime	29
TOTAL_ESTIM	number	7
PREMIUM_AM	number	6
POLICY_NUMB	number	8
CLAIMSDNMBN	string	26
CLAIM_DATE	string	26
PREM_PAY_DAY	datetime	29
MEMBERS_CO	number	3
HOSPITALS	string	26

At the bottom of the interface, there is a status bar with the message "Mapping mapping n\_Health\_Insurance\_Task6... parsing completed with no errors.", "Mapping n\_Health\_Insurance\_Task6 is VALID.", and "mapping n\_Health\_Insurance\_Task6 inserted." The system status bar at the bottom right shows "11:38 PM 7/18/2022".

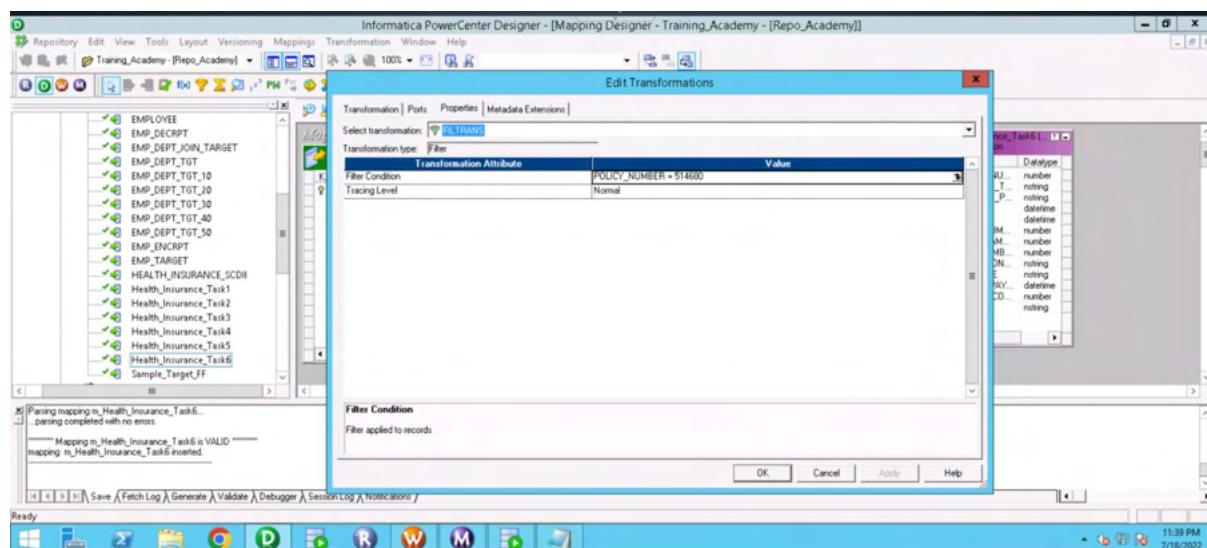




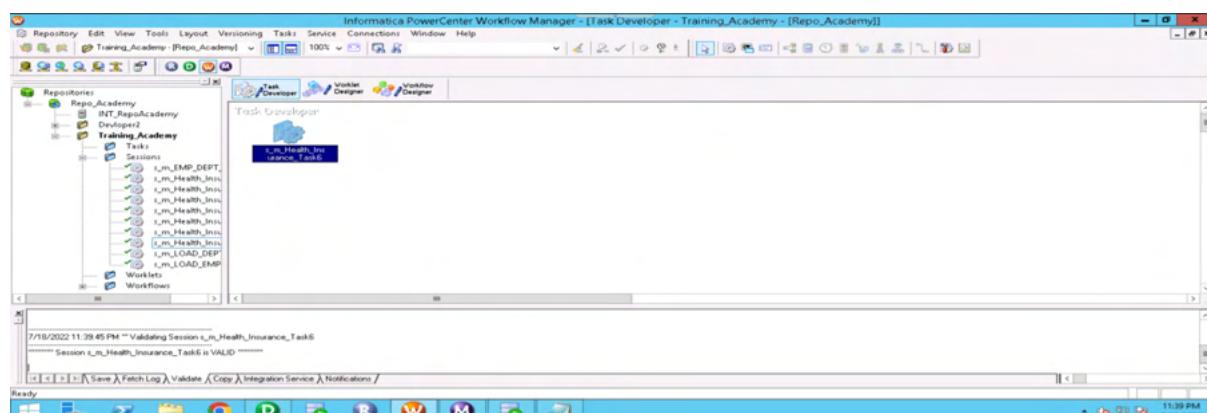
## Mapping



## Filter Condition

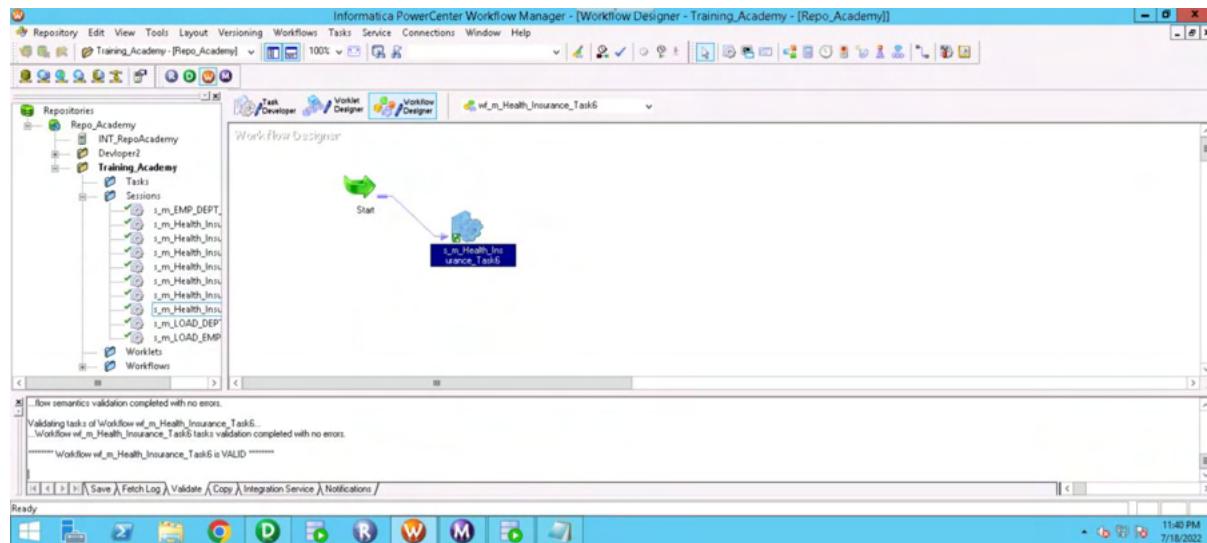


## Session

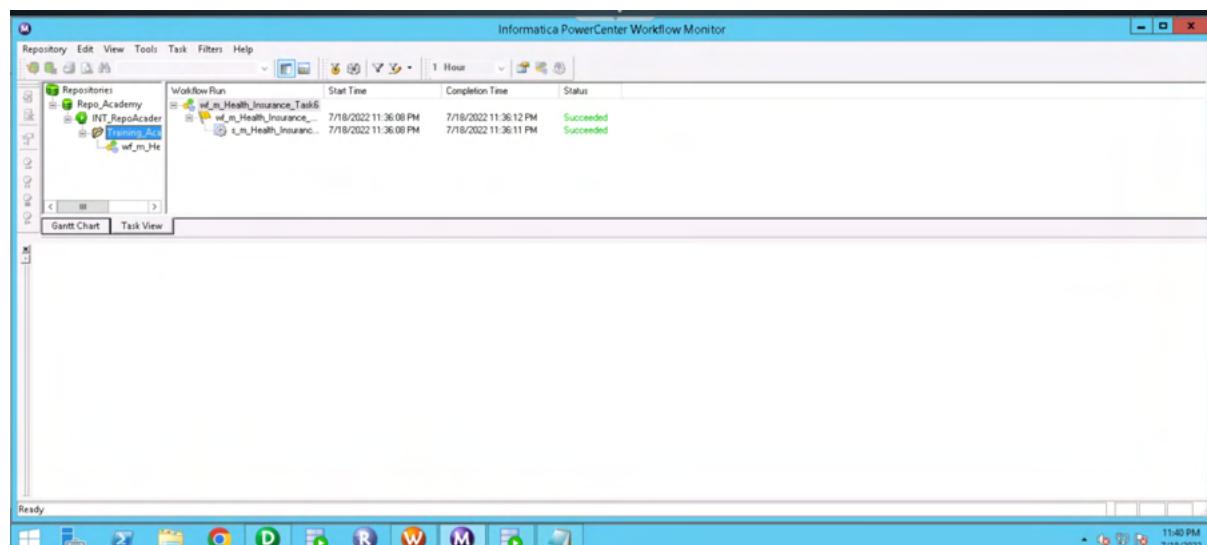




## Workflow



## Workflow Success



## Session Log

Log Events for Session: s_m_Health_Insurance_Task6						
Severity	Timestamp	/	Node	Thread	Message Co.	Message
INFO	7/18/2022 11:36:10 PM		node01	WWRITER_1_1	WRT_3043	***END LOAD SESSION***
INFO	7/18/2022 11:36:10 PM		node01	WWRITER_1_1	WRT_3006	Writer run completed.
INFO	7/18/2022 11:36:10 PM		MANAGER	PETL_24031		*** RUN INFO FOR TGT LOAD ORDER GROUP [1], CONCURRENT SET [1] ***
						Thread [DIRECTOR_1_1] created for [the read stage] of partition [S0_HEALTH_INSURANCE_SCD0] has completed. The total run time was insufficient for any meaningful statistics.
						Thread [TM_6018] created for [the write stage] of partition [S0_HEALTH_INSURANCE_SCD0] has completed. The total run time was insufficient for any meaningful statistics.
						Thread [WWRITER_1_1] created for [the write stage] of partition point [S0_HEALTH_INSURANCE_Task6] has completed. The total run time was insufficient for any meaningful statistics.
INFO	7/18/2022 11:36:10 PM		node01	MANAGER	PETL_24005	PETL_24005 Starting post-session tasks.: [Mon Jul 18 23:36:10 2022]
INFO	7/18/2022 11:36:10 PM		node01	POST_SESS	PETL_24091	Thread [POST_SESS] has the ID [0].
INFO	7/18/2022 11:36:10 PM		node01	MANAGER	PETL_24029	PETL_24029 Post-session task completed successfully.: [Mon Jul 18 23:36:10 2022]
INFO	7/18/2022 11:36:10 PM		node01	MAPPING	TM_6018	The session completed with [0] row transformation errors.
INFO	7/18/2022 11:36:11 PM		node01	MANAGER	PETL_24002	Parallel Pipeline Engine finished.
INFO	7/18/2022 11:36:11 PM		node01	DIRECTOR	PETL_24012	Session run completed successfully.
INFO	7/18/2022 11:36:11 PM		node01	DIRECTOR	TM_6022	
SESSION LOAD SUMMARY						
INFO	7/18/2022 11:36:11 PM		DIRECTOR	TM_6252	Source Load Summary.	
INFO	7/18/2022 11:36:11 PM		DIRECTOR	CHN_1740	Table [S0_HEALTH_INSURANCE_SCD0] Instance Name: [S0_HEALTH_INSURANCE_SCD0]	
					Output Rows [23], Affected Rows [23], Applied Rows [23], Rejected Rows [0]	
INFO	7/18/2022 11:36:11 PM		DIRECTOR	TM_6253	Target Load Summary.	
INFO	7/18/2022 11:36:11 PM		DIRECTOR	CHN_1740	Table [Health_Insurance_Task6] Instance Name: [Health_Insurance_Task6]	
					Output Rows [1], Affected Rows [1], Applied Rows [1], Rejected Rows [0]	
INFO	7/18/2022 11:36:11 PM		DIRECTOR	TM_6023		
SESSION FINISHED						
INFO	7/18/2022 11:36:11 PM		node01	DIRECTOR	TM_6020	Session [s_m_Health_Insurance_Task6] completed at [Mon Jul 18 23:36:11 2022]
Severity: INFO Timestamp: 7/18/2022 11:36:10 PM Node: node01 Thread: DIRECTOR Process ID: 4796 Message Code: TM_6014 Message: Initializing session [s_m_Health_Insurance_Task6] at [Mon Jul 18 23:36:10 2022].						





## Output

```
#ACCOUNT_NUMBER,INSURANCE_TYPE,INSURANCE_PLAN,EFF_DATE,END_DATE,TOTAL_ESTIMATED_AMOUNT,PREMIUM_AMOUNT,POLICY_NUMBER,CLAIMSINMONTH,CLAIM_DATE,PREMIUM_PAYMENT_DATE,MEMBERS_COVERED,HOSPITALS 92870954399,Health,Yearly,09/18/2021 00:00:00,09/18/2022 00:00:00,36000,3000,514680,N,NA,07/15/2021 00:00:00,1,NA
```

## 3 Annexure

NA

## 4 Terms & Conditions

GenCs shall be solely responsible for all its acts and omissions under this program. GenCs will comply at all times with all applicable laws. GenCs shall not use Cognizant's name, logo and trademark in any promotional materials or other communications with third parties without the prior written consent of Cognizant. Any materials used by GenCs in relation to program will not infringe the copyrights, trademarks, patents, trade secrets or other intellectual property rights, privacy or similar rights of any person or entity. GenCs agrees not to post, draw, make, display any content that is threatening, libelous, obscene, defamatory, abusive, pornographic, or advocates/encourages any conduct that could constitute a criminal offence or give rise to any civil liability. Cognizant its associates' personal details including but not limited to name, address, contact number shall not be shared or forwarded to any third party, without prior written consent of Cognizant, its associates. All intellectual property provided by Cognizant as part of program shall be owned exclusively by Cognizant. Intern shall indemnify, defend and indemnify Cognizant its associates, officers, directors from and against any claims, demands, loss, damage, liability, causes of action, judgments, or costs and expenses of





every nature (including attorney's fees and expenses) incurred by Cognizant based on any claim that any breach of terms and conditions of this program.

## 5 Change Log

Please note that this table needs to be maintained even if a Configuration Management tool is used.

Version Number	Changes made			
V1.0				
V1.1	<i>&lt;If the change details are not explicitly documented in the table below, reference should be provided here&gt;</i>			
Page no	Changed by	Effective date	Changes effected	
V1.2	<i>&lt;If the change details are not explicitly documented in the table below, reference should be provided here&gt;</i>			
Page no	Changed by	Effective date	Changes effected	