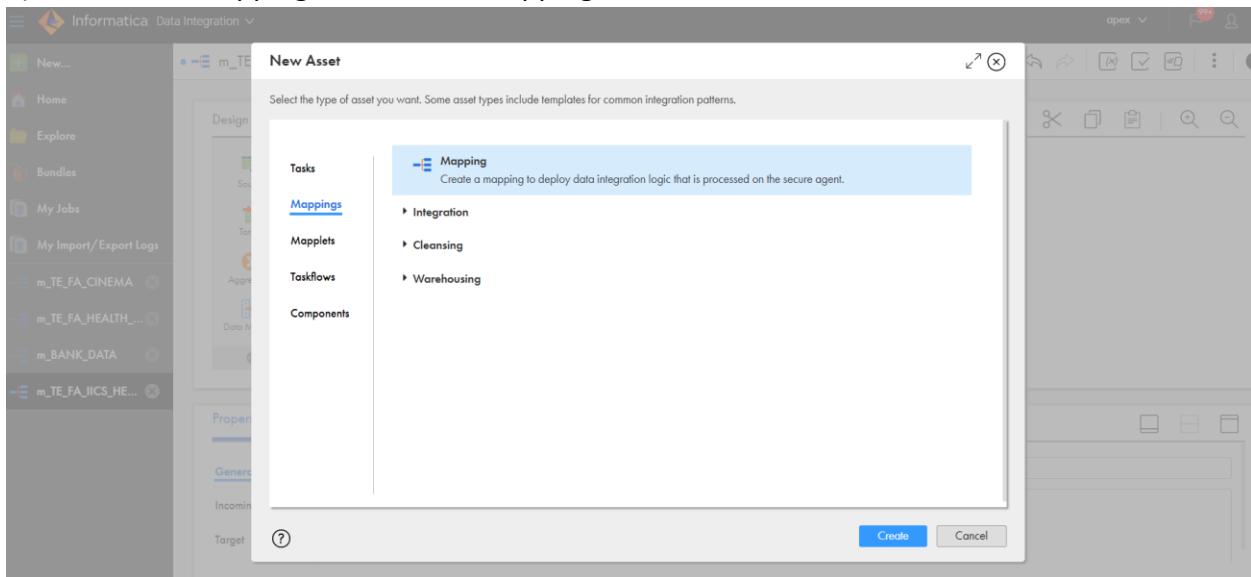


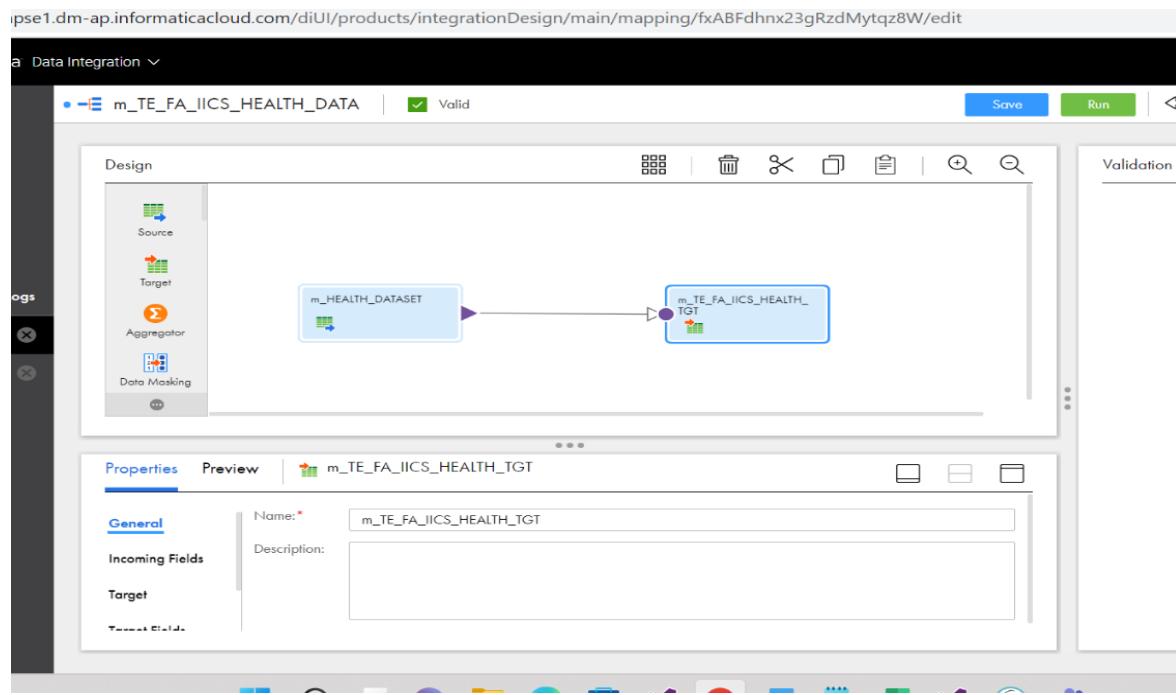
Module 4 IICS

1. Make connection to different data source (Oracle DB, Flat file, SQL Server)
2. Extract
3. Transform
4. Load to new target system - SQL Server
5. Perform SCD 1 & SCD2 dimension table modelling
6. Create aggregate table based on the particular column(ex: Country code). Refer to the different data source from target system
7. Create data replication task (single table and FULL DB)

Extracting data from one source database table to another table

1) Create new mapping and rename mapping





2) Select source connection and select table

Data Integration

m_TE_FA_IICS_HEALTH_DATA | Valid

Design

Source

Properties **Preview** m_HEALTH_DATASET

General

Source

Connection: SQLServer_Anusha (SQL Server)

Source Type: Single Object

Object: TE_FA_HEALTH_DATASET

Fields

Partitions

3) Select target connection and select the table

The screenshot shows the Informatica Data Integration Designer interface. At the top, there's a toolbar with 'Save' and 'Run' buttons. Below the toolbar, the main area is divided into two sections: 'Design' and 'Properties'. In the 'Design' section, a flowchart shows a 'Source' node connected to a 'm_HEALTH_DATASET' node, which is then connected to a 'm_TE_FA_IICS_HEALTH_TGT' node. In the 'Properties' section, the tab 'Properties' is selected, and the object 'm_TE_FA_IICS_HEALTH_TGT' is chosen. The 'General' tab is active, showing the following details:

- Connection:** SQLServer_Anusha (SQL Server)
- Target Type:** Single Object
- Object:** TE_FA_IICS_HEALTH_TGT
- Operation:** Insert

Below these fields are two unchecked checkboxes: 'Truncate target' and 'Enable target bulk load'.

4) Save and run task

The screenshot shows the Informatica Data Integration Jobs page. The top navigation bar includes 'My Jobs' and 'Data Integration'. The main content area displays a table titled 'Jobs (3 of 52)' with the following data:

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
m_TE_FA_IICS_HEALTH_DAT...	Anusha_IICS		Oct 6, 2022, 2:35 AM	Oct 6, 2022, 2:38 ...	999	Success
m_TE_FA_IICS_HEALTH_DAT...	Anusha_IICS		Oct 6, 2022, 2:28 AM	Oct 6, 2022, 2:28 ...	0	Failed
m_TE_FA_IICS_HEALTH_DAT...	Anusha_IICS		Oct 6, 2022, 2:26 AM	Oct 6, 2022, 2:27 ...	0	Failed

The status column indicates the first task was successful (green checkmark), while the second and third tasks were failed (red X). The 'Rows Processed' column shows 999 for the successful task and 0 for the failed ones.

Data Integration

m_TE_FA_IICS_HEALTH_DATA-3

Job Properties

- Task Name: m_TE_FA_IICS_HEALTH_DATA
- Instance ID: 3
- Task Type: Mapping
- Started By: anusha_shetty through UI
- Start Time: Oct 6, 2022 2:35:30 AM
- End Time: Oct 6, 2022 2:38:18 AM
- Duration: 2 minutes, 48 seconds
- Runtime Environment: Informatica Cloud Hosted Agent

Results

Status:	Success
Success Rows:	999
Errors:	0
Session Log:	Download Session Log

Individual Source/Target Results

Name	Success Rows	Errors	Error Message	Actions
m_HEALTH_DATASET	999	0		
m_TE_FA_IICS_HEALTH_TGT [TE_FA_IICS_HEALTH_TGT]	999	0		

5) Destination table

SELECT * FROM TE_FA_IICS_HEALTH_TGT

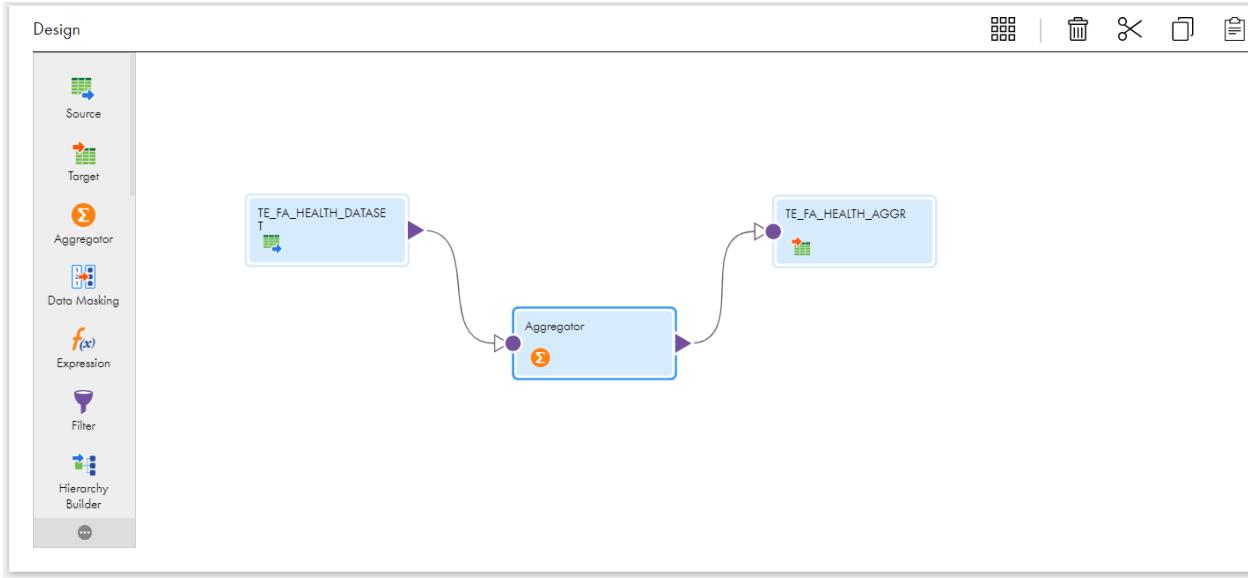
Results 4 | Results 2 | Results 3 | Statistics 4 | Results 5 | Results 6 | Results 7 | Statistics 8 | Results 10 ×

SELECT * FROM TE_FA_IICS_HEALTH_TGT Enter a SQL expression to filter results (use Ctrl+Space)

	PID	AGE	GENDER	CASTE_NAME	CATEGORY_CODE	CATEGORY_NAME	SURGERY_DATE	DISCHARGE_DATE	VILLAGE	MANDI
1	1	56	Female	OBC	M111	NEPHROLOGY	2013-08-06 00:00:00.000	2013-09-07 00:00:00.000	Lolugu	Ponduru
2	2	37	Male	BC	M111	NEPHROLOGY	2013-08-08 00:00:00.000	2013-09-09 00:00:00.000	Borivanka	Kaviti
3	3	50	Male	BC	M111	NEPHROLOGY	2013-08-15 00:00:00.000	2013-10-18 00:00:00.000	Kapasakuddi	Kaviti
4	4	45	Male	BC	M111	NEPHROLOGY	2013-08-24 00:00:00.000	2013-09-27 00:00:00.000	Telikipenta	Sarubujjili
5	5	54	Male	BC	M111	NEPHROLOGY	2013-08-31 00:00:00.000	2013-10-02 00:00:00.000	Thandemvalas	Srikular
6	6	35	Male	OC	M111	NEPHROLOGY	2013-08-31 00:00:00.000	2013-10-02 00:00:00.000	Phasigangupet Pathapat	
7	7	52	Male	OC	M111	NEPHROLOGY	2013-08-31 00:00:00.000	2013-10-02 00:00:00.000	Kranti Nagar	Nandyal
8	8	73	Male	BC	M111	NEPHROLOGY	2014-05-05 00:00:00.000	[NULL]	Bhogapuram	Bhogapu
9	9	56	Male	OC	S7	CARDIAC AND CARDIOT	2014-06-14 00:00:00.000	2014-06-16 00:00:00.000	Vallur	Kakuman
10	10	49	Male	OC	S7	CARDIAC AND CARDIOT	2014-06-17 00:00:00.000	2014-06-25 00:00:00.000	Ward-15	Guntur(C)
11	11	52	Male	BC	M111	NEPHROLOGY	2014-06-27 00:00:00.000	[NULL]	Rajam	Butchayya
12	12	56	Male	SC	M5	CARDIOLOGY	2014-07-04 00:00:00.000	2014-07-09 00:00:00.000	Thurlapadu	Edlapadu
13	13	65	Female	SC	M5	CARDIOLOGY	2014-07-08 00:00:00.000	2014-07-16 00:00:00.000	Pulipadu	Gurazala
14	14	75	Male	OC	M5	CARDIOLOGY	2014-07-10 00:00:00.000	2014-07-19 00:00:00.000	Karlapalem	Karlapaler
15	15	52	Male	OC	M5	CARDIOLOGY	2014-07-13 00:00:00.000	2014-07-19 00:00:00.000	Ward-19	Guntur(C)
16	16	56	Male	Minorities	M5	CARDIOLOGY	2014-07-15 00:00:00.000	2014-07-21 00:00:00.000	Tullur	Thullur
17	17	1	Male(Child)	OC	S16	COCHLEAR IMPLANT SU	2017-08-16 00:00:00.000	2017-08-17 00:00:00.000	Phirangipuram	Phirangip
18	18	54	Female	SC	S7	CARDIAC AND CARDIOT	2014-07-29 00:00:00.000	2014-08-08 00:00:00.000	Kolakalur	Tenali
19	19	48	Male	OC	S7	CARDIAC AND CARDIOT	2014-07-28 00:00:00.000	2014-08-06 00:00:00.000	Vellalur	Ponnur

Aggregate function in IICS

- 1) Create new mapping and rename the mapping
- 2) Select aggregator and connect to source and target



- 3) Select source

Data Integration ▾

m_TE_FA_HEALTH_AGGR | Valid

Save Run

Design

Properties Preview TE_FA_HEALTH_DATASET

General

Source

Fields

Partitions

Details

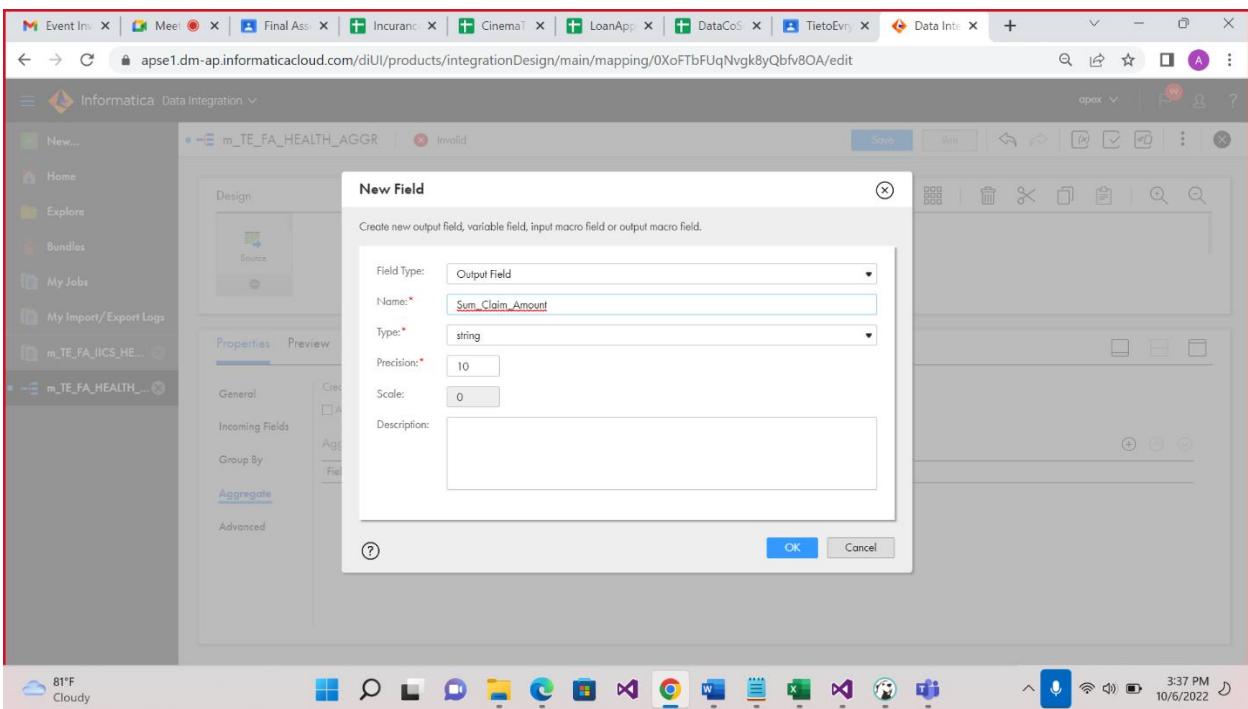
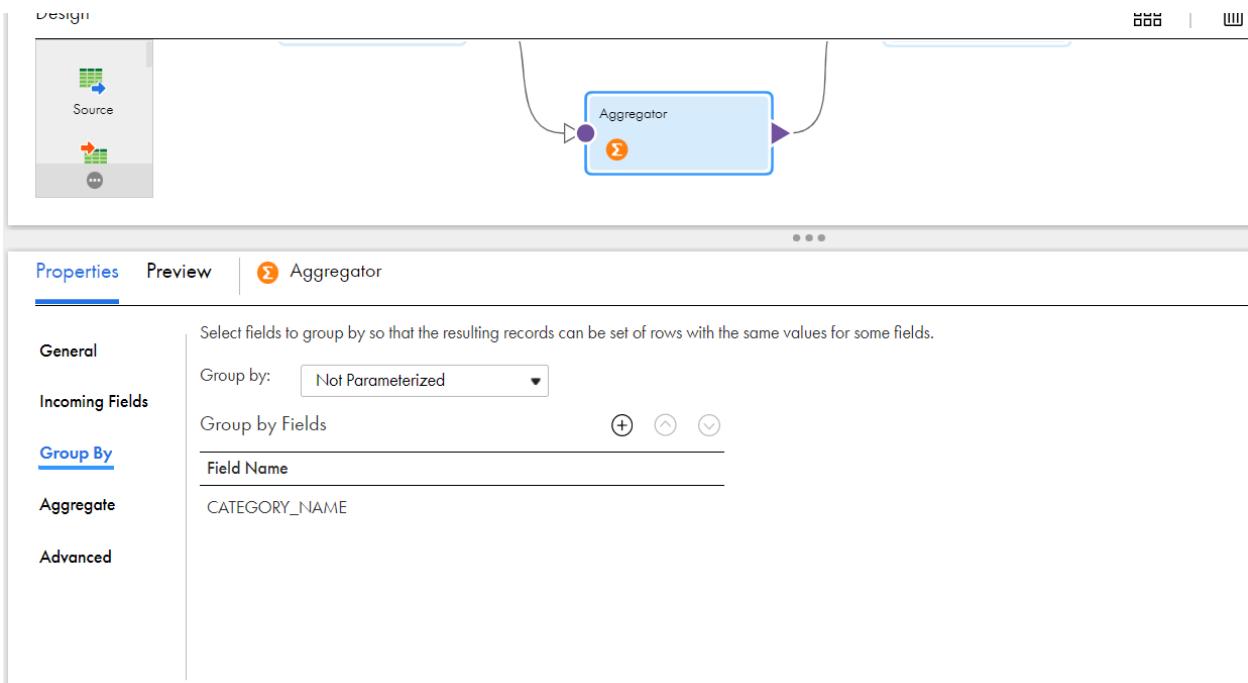
Connection: SQLServer_Anusha (SQL Server)

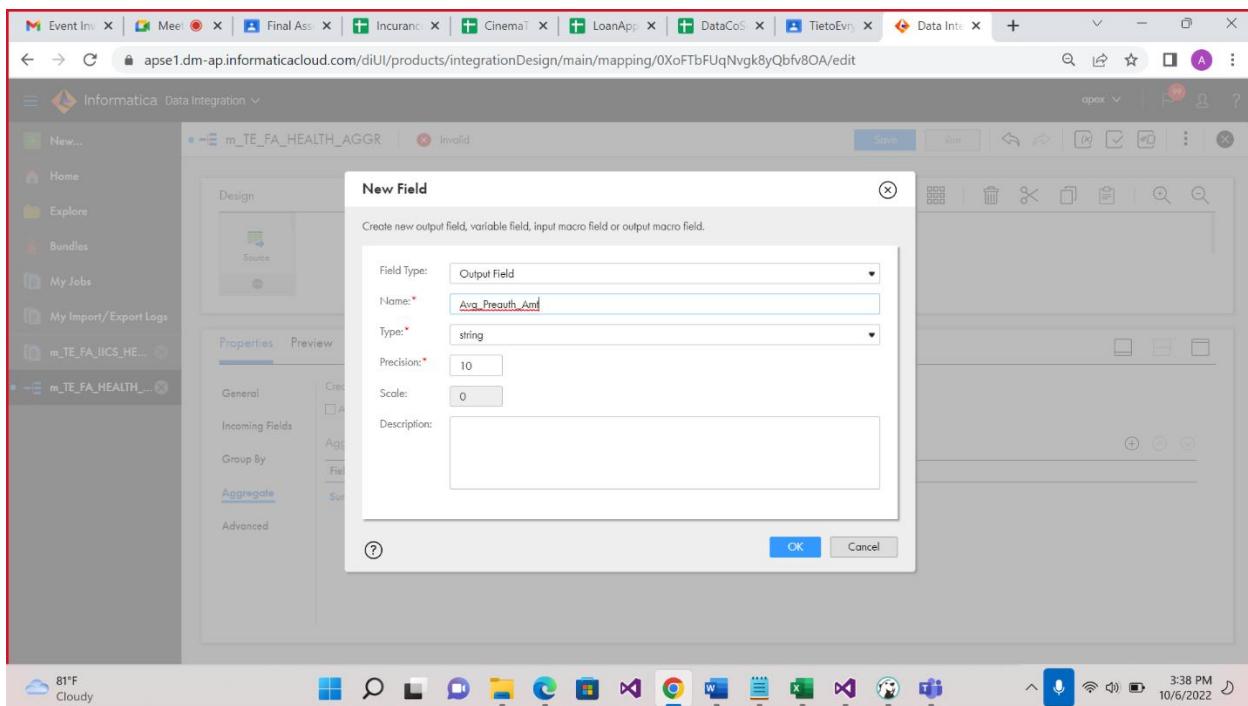
Source Type: Single Object

Object: TE_FA_HEALTH_DATASET

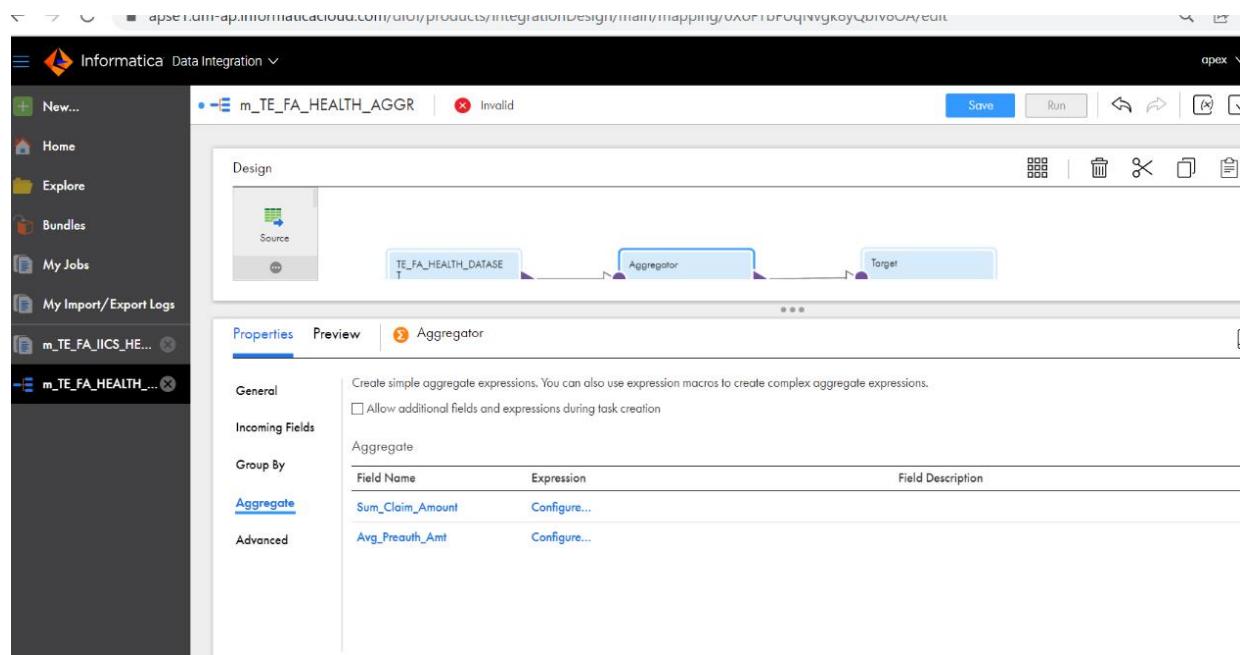
Query Options

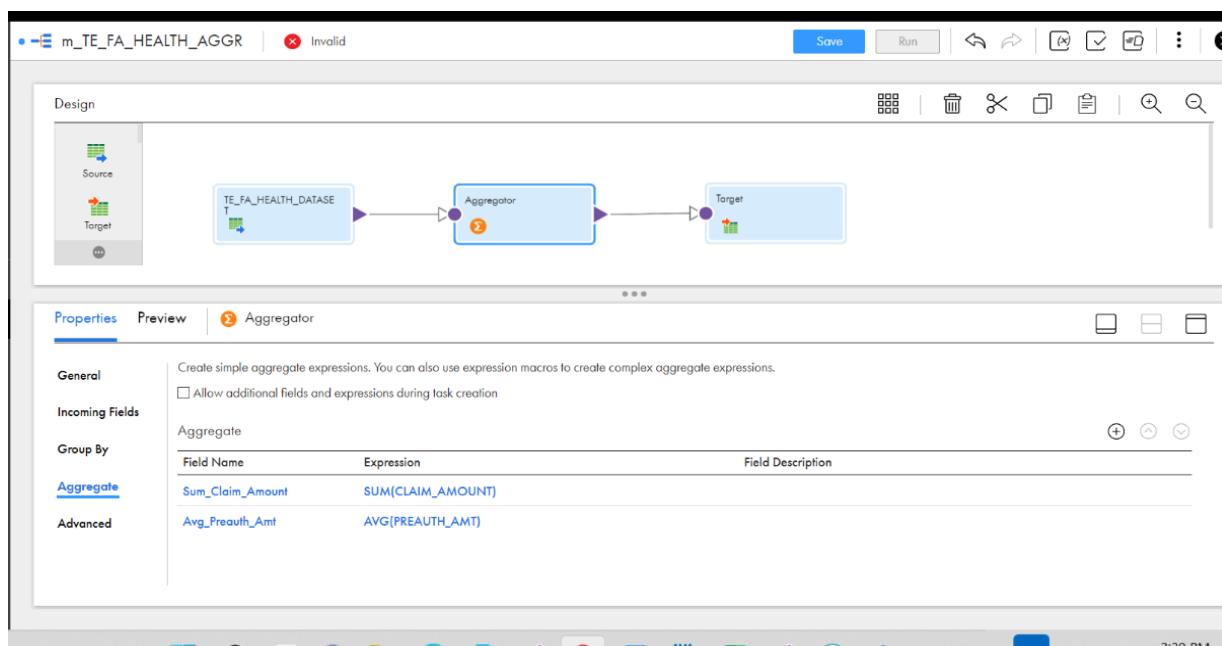
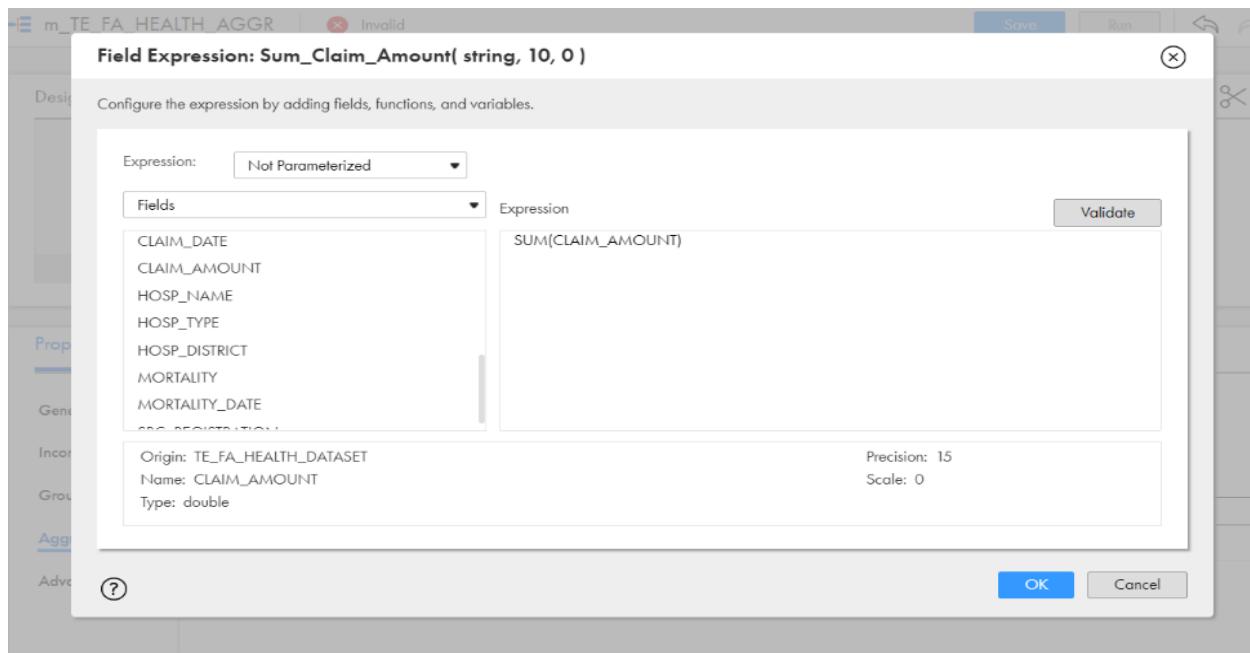
4) Select aggregate columns and group by column





5) Configure new columns





5) Select Target table

The screenshot shows the Informatica Data Integration Designer interface. At the top, there's a toolbar with various icons and a status bar indicating 'apex'. Below the toolbar is a navigation bar with tabs for 'Integration' and a dropdown menu. The main workspace is divided into two sections: 'Design' and 'Properties'. The 'Design' section contains a flow diagram with nodes: 'Source', 'TE_FA_HEALTH_DATABASE', 'Aggregator', and 'TE_FA_HEALTH_AGGR'. Arrows indicate the data flow from Source to the database, then through the Aggregator to the target. The 'Properties' section has tabs for 'Properties' and 'Preview'. Under 'Properties', the 'Target' tab is selected, showing details like 'Connection: SQLServer_Anusha (SQL Server)', 'Target Type: Single Object', 'Object: TE_FA_HEALTH_AGGR', and 'Operation: Insert'. There's also a checkbox for 'Truncate target' which is unchecked.

6) Save and run mapping

The screenshot shows the Informatica Data Integration web interface. The left sidebar has navigation links for 'New...', 'Home', 'Explore', 'Bundles', 'My Jobs', and 'My Import/Export Logs'. Under 'My Jobs', there are two entries: 'm_TE_FA_IICS_HE...' and 'm_TE_FA_HEALTH...'. The main content area is titled 'My Jobs' and shows a table of jobs. The table has columns: 'Asset Name', 'Location', 'Subtasks', 'Start Time', 'End Time', 'Rows Processed', and 'Status'. One job is listed: 'Asset Name: m_TE_FA_HEALTH_AGGR-1 | Anusha_IICS' with a start time of 'Oct 6, 2022, 3:11 AM' and an end time of 'Oct 6, 2022, 3:12 ...', 'Rows Processed' count of '26', and a 'Status' of 'Success'. The status is indicated by a green checkmark icon. The top right of the interface shows a search bar and other navigation controls. The bottom of the screen shows a Windows taskbar with various pinned icons.

7) Destination table

The screenshot shows the Oracle SQL Developer interface with a query editor window titled "Results 1". The query is:

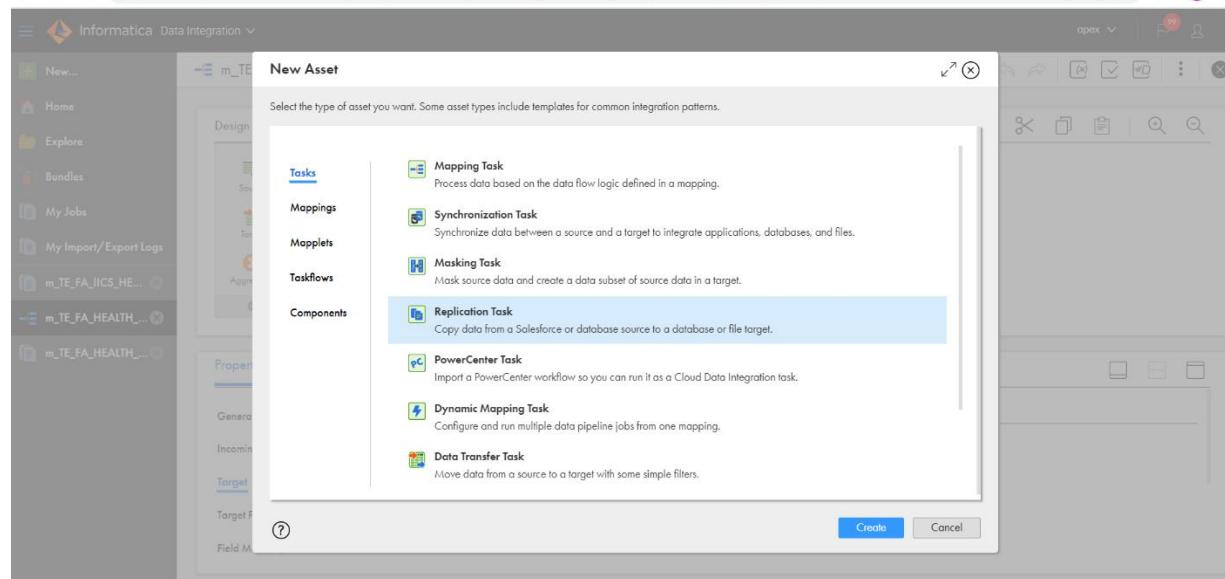
```
SELECT * FROM TE_FA_HEALTH_AGGR
```

The results grid displays 18 rows of data from the table, with the 4th row highlighted. The columns are:

PID	AGE	GENDER	CASTE_NAME	CATEGORY_CODE	CATEGORY_NAME	Avg_Preacht_Amt	Sum_Claim_Amount	SURGERY_1
972	47	Male	OC	S7	CARDIAC AND CARDIOTHORACIC SURGERY	100663.390	7544182.00	2015-12-17 0
986	68	Male	BC	M5	CARDIOLOGY	30608.6956	1631300.00	2015-12-15 0
993	1	Female(Child)	Minorities	S16	COCHLEAR IMPLANT SURGERY	520000.000	11800000.0	2016-09-14 0
967	61	Male	SC	M1	Critical Care	65500.0000	403100.000	2015-12-14 0
998	55	Female	BC	M11	ENDOCRINOLOGY	22324.5454	141700.000	2015-12-16 0
900	18	Male	BC	S2	ENT SURGERY	16342.2222	313140.000	2015-12-16 0
983	42	Male	SC	M12	GASTROENTEROLOGY	36300.1960	1047530.00	2015-12-15 0
999	27	Female	BC	M2	GENERAL MEDICINE	26484.3750	995100.000	2015-12-28 0
958	16	Female	SC	S1	GENERAL SURGERY	27554.9315	1644467.00	2015-12-15 0
987	45	Male	OC	S9	GENITO URINARY SURGERIES	56647.1818	973328.000	2015-12-18 0
957	38	Female	BC	S4	GYNAECOLOGY AND OBSTETRICS SURGERY	27697.8250	882480.000	2015-12-16 0
989	23	Male	BC	S12	MEDICAL ONCOLOGY	80000.0000	160000.000	2015-12-16 0
994	45	Male	BC	M111	NEPHROLOGY	16451.7264	1240126.00	2015-12-18 0
995	53	Male	SC	M7	NEUROLOGY	29900.0684	2573452.00	2015-12-16 0
984	50	Female	BC	S10	NEUROSURGERY	39166.4102	1377440.00	2015-12-17 0
773	38	Female	SC	S3	OPHTHALMOLOGY SURGERY	14526.1250	68709.0000	2015-12-01 0
966	21	Male	ST	S5	ORTHOPEDIC SURGERY AND PROCEDURES	25042.2972	615396.000	2015-12-17 0
871	1	Female(Child)	BC	S8	PEDIATRIC SURGERIES	39606.6666	205040.000	2015-12-11 0

Replication Task

1) Create new replication task and rename the task



2) Select source connection and source object

New Replication Task6

Task Details

Task Name: RT_ANS_TE_FA_LOAN_DATASET

Location: Anusha_IICS

Source Details

Source Connection: SQLServer_Anusha

Objects to Replicate:

- All Objects
- Include Objects

Select... TE_FA_LOAN_DATASET

Exclude Objects Select...

Save Next > Finish Cancel

3) Select Target connection

New RT_ANS_TE_FA_LOAN_DATASET

Target Details

Connection: MYSQL_DLITHE

Target Prefix: ANS_

Enable Target Bulk Load: False

Replication Options

Load Type:

- Incremental loads after initial full load
- Incremental loads after initial partial load
- Initial load: Rows created or modified after [date range] at : :
- Full load each run

Delete Options:

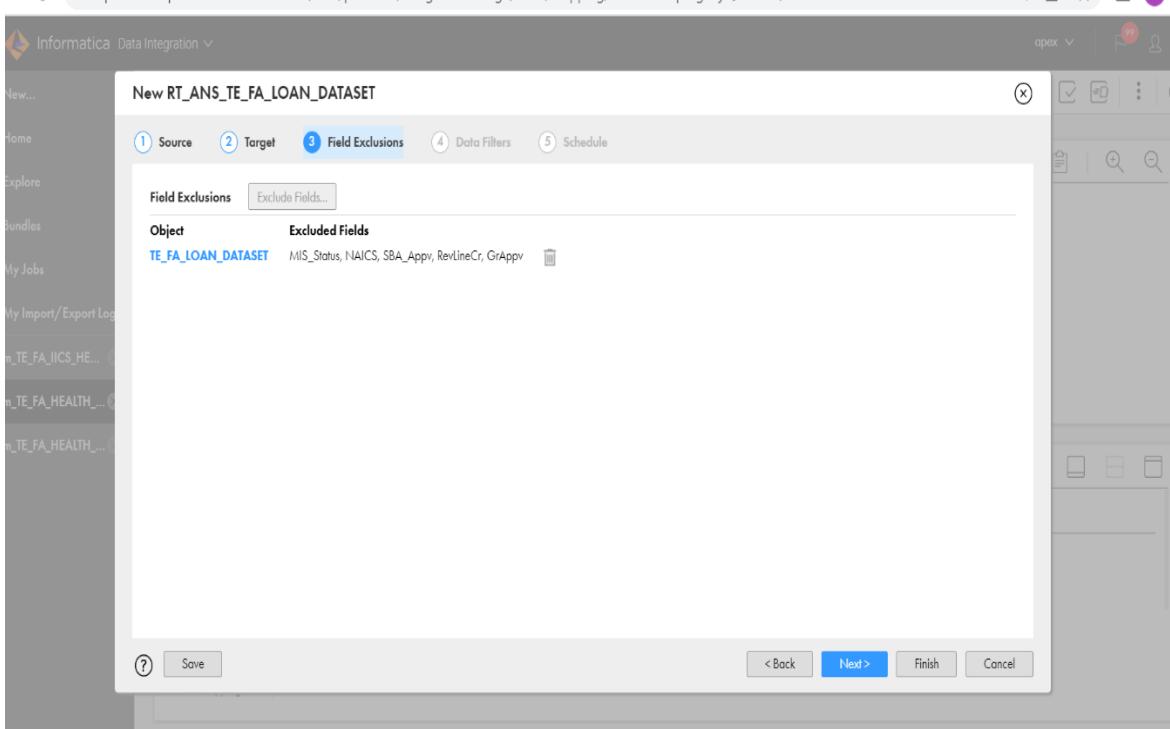
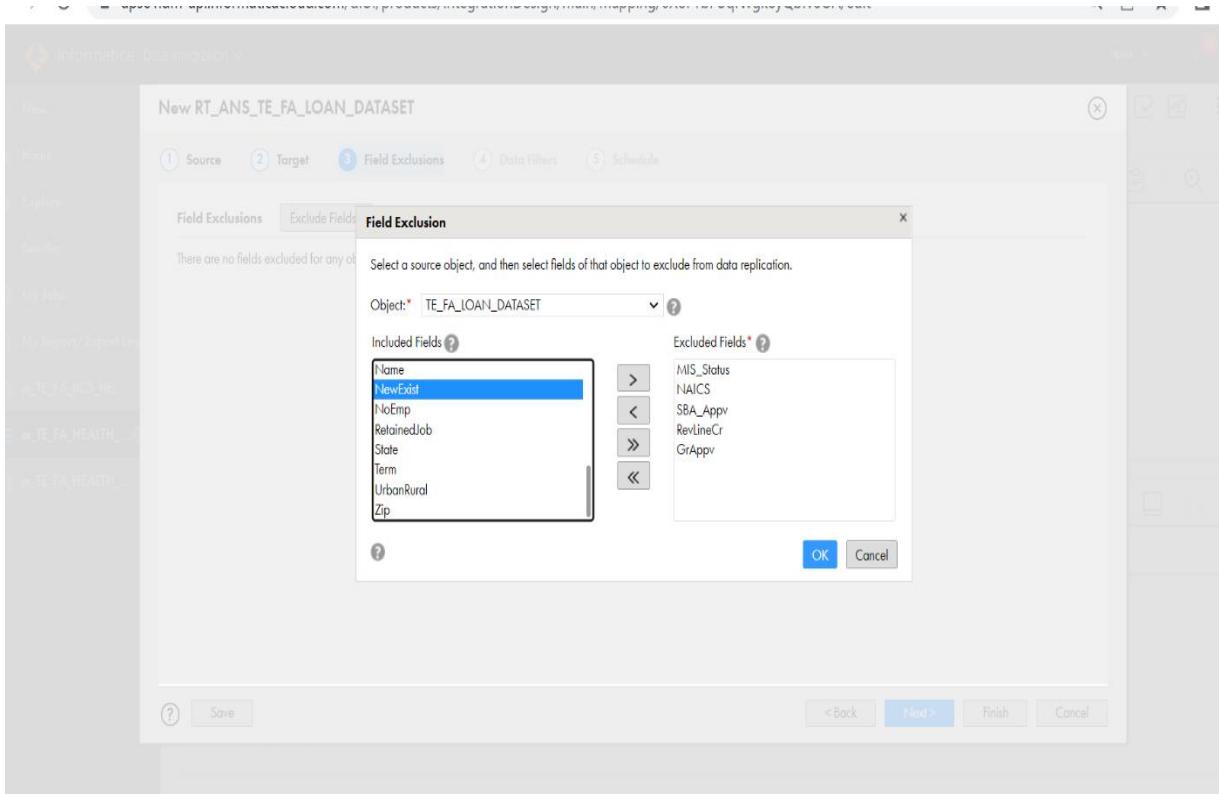
- Remove deleted columns and rows
- Retain deleted columns and rows

Advanced Options

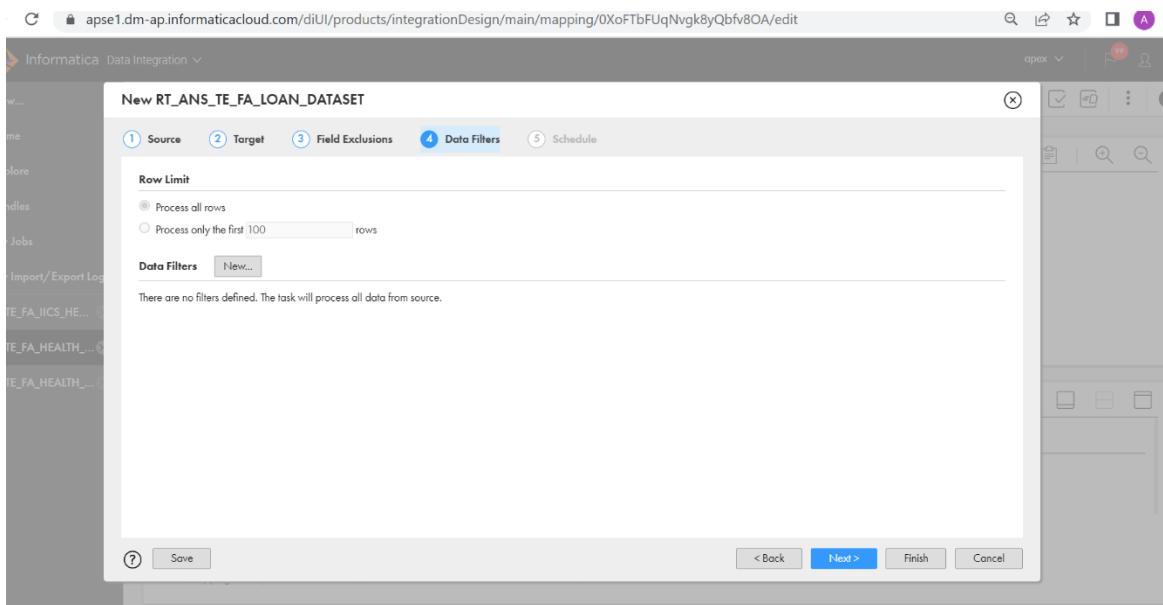
Commit size: 1000 rows

Save Next > Finish Cancel

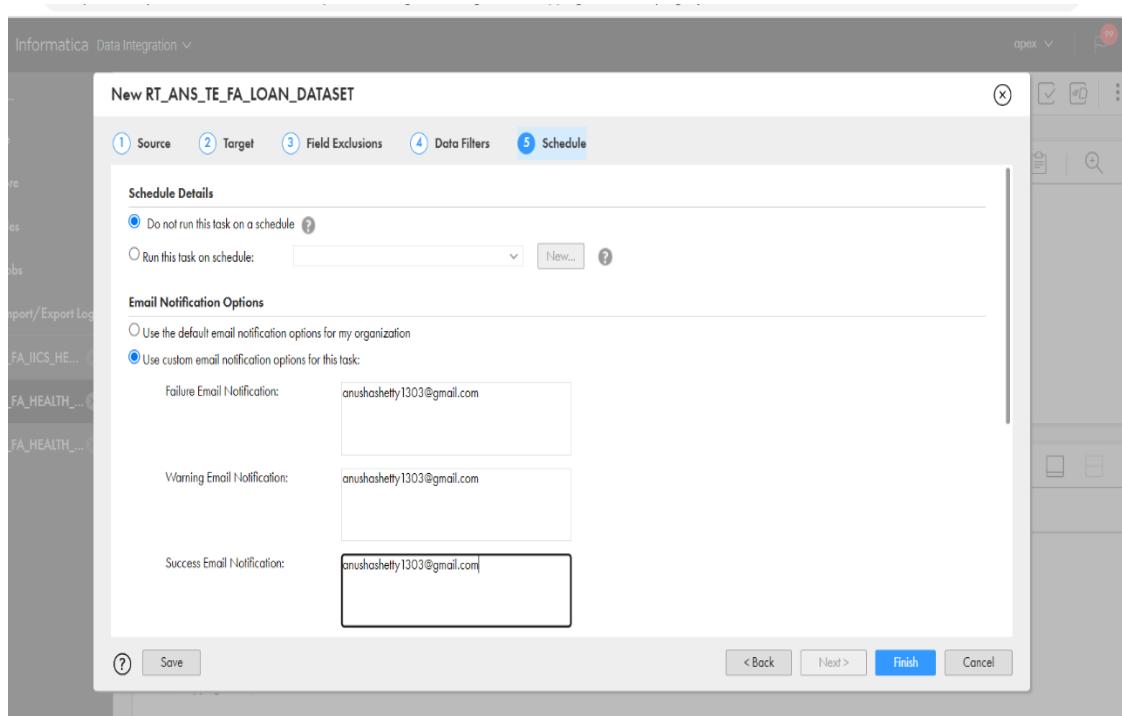
4) Select the fields to be replicated and exclude the fields if necessary



5) Apply filters if necessary



6) Select scheduled or unscheduled task . Finish , save and run the task



7) Results

The screenshot shows the Informatica Data Integration interface. On the left, there's a sidebar with navigation links like Home, Explore, Bundles, My Jobs, and My Import/Export Logs. The main area is titled "RT_ANS_TE_FA_LOAN_DATASET-3". It displays "Job Properties" on the left and "Results" on the right. The "Job Properties" section includes fields such as Task Name (RT_ANS_TE_FA_LOAN_DATASET), Instance ID (3), Task Type (Data Replication), and various time-related fields. The "Results" section shows a status of "Success" with 1002 success rows and 0 errors. Below these sections is a table titled "Individual Object Results" with columns for Object Name, End Time, Status, Success Rows, Errors, and Error Message. A single row is listed: "TF_FA_LOAN_DATASET" with an end time of Oct 6, 2022 3:43:35 AM, a status of "Success", 1002 success rows, and 0 errors.

8) Destination table in another database

The screenshot shows a SQL Editor interface with a toolbar at the top and a query editor window below. The query editor contains the following SQL code:

```
SELECT * FROM ANS_TE_FA_LOAN_DATASET
```

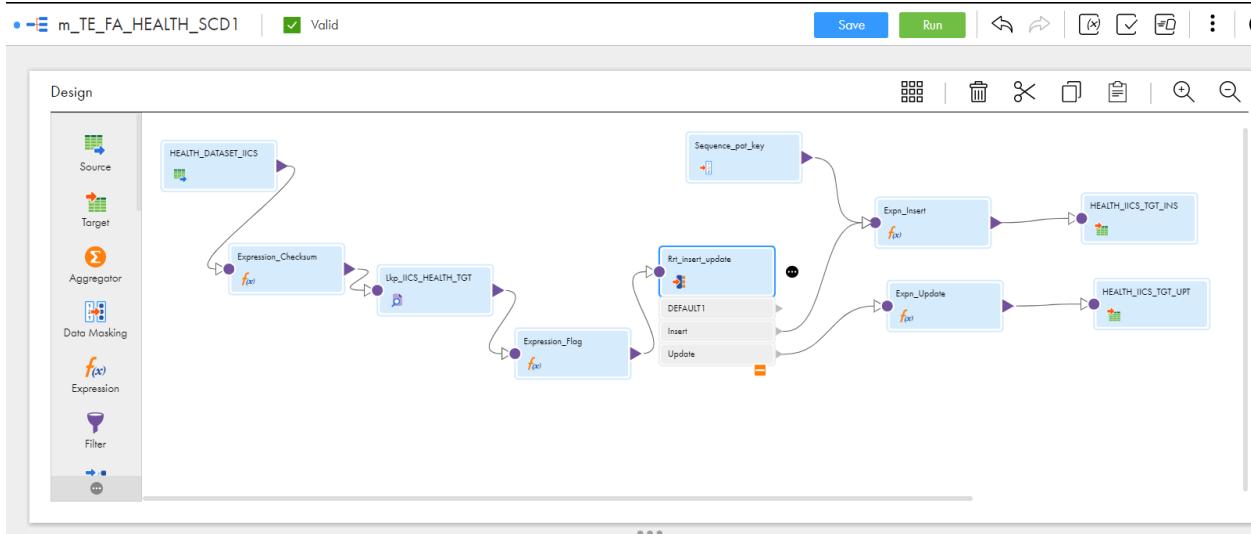
The results pane shows a grid of data from the ANS_TE_FA_LOAN_DATASET table. The columns are LOANNR_CHKDGT, NAME, CITY, STATE, ZIP, BANK, BANKSTATE, and APPROVALDATE. The data includes various business names and their locations across different states and zip codes, along with their corresponding bank information and approval dates. The grid has 19 visible rows.

LOANNR_CHKDGT	NAME	CITY	STATE	ZIP	BANK	BANKSTATE	APPROVALDATE
1,000,014,003	ABC HOBBYCRAFT	EVANSVILLE	IN	47,711	FIFTH THIRD BANK	OH	1997-02-28 00:00:00.0
1,000,024,006	LANDMARK BAR & GRILLE (THE)	NEW PARIS	IN	46,526	1ST SOURCE BANK	IN	1997-02-28 00:00:00.0
1,000,034,009	WHITLOCK DDS, TODD M.	BLOOMINGTON	IN	47,401	GRANT COUNTY STATE BANK	IN	1997-02-28 00:00:00.0
1,000,044,001	BIG BUCKS PAWN & JEWELRY, LLC	BROKEN ARROW	OK	74,012	1ST NATL BK & TR CO OF BROKEN	OK	1997-02-28 00:00:00.0
1,000,054,004	ANASTASIA CONFECTIONS, INC.	ORLANDO	FL	32,801	FLORIDA BUS. DEVEL CORP	FL	1997-02-28 00:00:00.0
1,000,084,002	B&T SCREW MACHINE COMPANY, INC	PLAINVILLE	CT	6,062	TD BANK, NATIONAL ASSOCIATION	DE	1997-02-28 00:00:00.0
1,000,093,009	MIDDLE ATLANTIC SPORTS CO INC	UNION	NJ	7,083	WELLS FARGO BANK NATL ASSOC	SD	1980-06-02 00:00:00.0
1,000,094,005	WEAVER PRODUCTS	SUMMERFIELD	FL	34,491	REGIONS BANK	AL	1997-02-28 00:00:00.0
1,000,104,006	TURTLE BEACH INN	PORT SAINT JOE	FL	32,456	CENTENNIAL BANK	FL	1997-02-28 00:00:00.0
1,000,124,001	INTEXT BUILDING SYS LLC	GLASTONBURY	CT	6,073	WEBSTER BANK NATL ASSOC	CT	1997-02-28 00:00:00.0
1,000,134,004	COMMERCIAL TRUCKING MAINTENANC	CHARLOTTE	NC	28,256	SUNTRUST BANK	GA	1997-02-28 00:00:00.0
1,000,144,007	PROFESSIONAL ELEVATOR SERVICES	CHICAGO	IL	60,605	BANK OF AMERICA NATL ASSOC	OR	1997-02-28 00:00:00.0
1,000,146,010	CARVEL	APEX	NC	27,502	STEARN'S BK NATL ASSOC	MN	2006-02-07 00:00:00.0
1,000,154,010	ORCHARD CAFE & BAKERY, INC.	SLATERSVILLE	RI	2,876	CITIZENS BANK NATL ASSOC	RI	1997-02-28 00:00:00.0
1,000,214,004	EBC INVESTMENTS LLC	WINSTON-SALEM	NC	27,106	NORTHWEST PIEDMONT DEVEL CORPO	NC	1997-02-28 00:00:00.0
1,000,244,002	ENVIRONMENTAL ROOFING SYSTEMS,	OKLAHOMA CITY	OK	73,112	BANK OF AMERICA NATL ASSOC	NC	1997-02-28 00:00:00.0
1,000,254,005	ARK MANAGEMENT ENTERPRISES INC	MIDLAND	TX	79,701	WELLS FARGO BANK NATL ASSOC	TX	1997-02-28 00:00:00.0
1,000,284,003	FANTASTIC SAMS	PLANO	TX	75,093	NEWTEK SMALL BUS. FINANCE INC.	NY	1997-02-28 00:00:00.0
1,000,294,006	SIR GOONY'S GOLF	KNOXVILLE	TN	37,922	CITIZENS NATIONAL BANK	TN	1997-02-28 00:00:00.0

Slowly Changing Dimension – Type1

1) Create new mapping and rename mapping

2) The below dataflow is for SCD1 mapping



a) Create source connection

The screenshot shows the properties pane for the 'HEALTH_DATASET_IICS' source connection. The General tab is selected, displaying the following details:

- Connection: SQLServer_Anusha (SQL Server)
- Source Type: Single Object
- Object: TE_FA_HEALTH_DATASET_IICS

Below the General tab, there are sections for Query Options and Advanced.

b) Expression transformation

The screenshot shows the properties window for the transformation 'm_TE_FA_HEALTH_SCD1'. The 'Expression' tab is selected. Under the 'Expressions' section, there is a table mapping fields to expressions:

Field Name	Expression	Field Description
O_PID	PID	
O AGE	AGE	
O_CATEGORY_NAME	CATEGORY_NAME	
O_DISTRICT_NAME	DISTRICT_NAME	
O_PREAUTH_AMT	PREAUTH_AMT	
O_CLAIM_AMOUNT	CLAIM_AMOUNT	
O_HOSP_NAME	HOSP_NAME	
O_CHECKSUM	MDS(PID AGE DISTRICT_NAME CATEGORY_NAME)	

c) Lookup transformation and select target table

Source and target tables

```
--SCD1-----  
@----Health Dataset-----  
CREATE TABLE TE_FA_HEALTH_DATASET_IICS (  
    [PID] float,  
    [AGE] float,  
    [CATEGORY_NAME] nvarchar(255),  
    [DISTRICT_NAME] nvarchar(255),  
    [PREAUTH_AMT] float,  
    [CLAIM_AMOUNT] float,  
    [HOSP_NAME] nvarchar(255)  
);  
  
@CREATE TABLE TE_FA_HEALTH_DATASET_IICS_TGT (  
    [Pat_Key] float,  
    [Pat_ID] float,  
    [Pat_AGE] float,  
    [Pat_CATEGORY_NAME] nvarchar(255),  
    [Pat_DISTRICT_NAME] nvarchar(255),  
    [Pat_PREAUTH_AMT] float,  
    [Pat_CLAIM_AMOUNT] float,  
    [Pat_HOSP_NAME] nvarchar(255),  
    [Checksum] nvarchar(255)  
);
```

d) Expression to set flag

Field Name	Expression	Field Description
Flag	<code>IIF(ISNULL(Pat_Key), 'I', IIF(O_CHECKSUM!=Checksum,'U'))</code>	

e) Route the data for either insert or update and set flag values

The screenshot shows the 'Properties' tab for the task 'm_TE_FA_HEALTH_SCD1'. The 'Output Groups' section is selected. It contains a table with two rows:

Group Name	Condition
DEFAULT1	
Insert	Flag='I'
Update	Flag='U'

f) Connect sequence generator to insert expression group and set the value in expression transformation

The screenshot shows the 'Properties' tab for the task 'm_TE_FA_HEALTH_SCD1'. The 'Expression' section is selected. It contains a table with one row:

Field Name	Expression	Field Description
O_PAT_KEY	NEXTVAL	

g) Connect the expression to target to insert values and select target object. Map target columns.

The screenshot displays two windows of the Talend Data Integration interface, likely within a single session, illustrating the mapping process between incoming fields and target fields.

Top Window (Step 1):

- Title Bar:** m_TE_FA_HEALTH_SCD1 | Valid
- Toolbar:** Save, Run, Back, Forward, Close, Minimize, Maximize.
- Properties Tab:** HEALTH_IICS_TGT_INIS
- General Section:**
 - Incoming Fields:** Connection: SQLServer_Anusha (SQL Server), Target Type: Single Object, Object: TE_FA_HEALTH_DATASET_IICS_TGT, Operation: Insert.
 - Target:** Truncate target, Enable target bulk load.
- Target Fields:** Not visible in this step.
- Field Mapping:** Not visible in this step.

Bottom Window (Step 2):

- Title Bar:** m_TE_FA_HEALTH_SCD1 | Valid
- Toolbar:** Save, Run, Back, Forward, Close, Minimize, Maximize.
- Properties Tab:** HEALTH_IICS_TGT_INIS
- General Section:** Field map options: Manual.
- Incoming Fields:** (9 of 28 mapped) - A list of incoming fields including O_PAT_KEY, Flag, Pat_Key, Pat_ID, Pat_AGE, Pat_CATEGORY_NAME, Pat_DISTRICT_NAME, Pat_PREAUTH_AMT, Pat_CLAIM_AMOUNT, Pat_HOSP_NAME, and Checksum.
- Target Fields:** (9 of 9 mapped) - A list of target fields with their mappings:

Field Name	Mapped Field
Pat_Key	O_PAT_KEY
Pat_ID	O_PID
Pat_AGE	O_AGE
Pat_CATEGORY_NAME	O_CATEGORY_NAME
Pat_DISTRICT_NAME	O_DISTRICT_NAME
Pat_PREAUTH_AMT	O_PREAUTH_AMT
Pat_CLAIM_AMOUNT	O_CLAIM_AMOUNT
Pat_HOSP_NAME	O_HOSP_NAME
Checksum	O_CHECKSUM
- Target Fields:** Options dropdown with Automap and three-dot menu.
- Field Mapping:** Not visible in this step.

h) Set expression for update

The screenshot shows the 'Properties' tab selected for the object 'm_TE_FA_HEALTH_SCD1'. The 'Expression' section is active, showing a table of expressions:

Field Name	Expression	Field Description
O_PAT_KEY	Pat_Key	

Other tabs visible include 'General', 'Incoming Fields', and 'Advanced'. Buttons at the top right include 'Save', 'Run', and navigation icons.

i) Connect expression to target for updating values. Map target columns.

The screenshot shows the 'Properties' tab selected for the object 'm_TE_FA_HEALTH_SCD1'. The 'Target' section is active, showing target mapping details:

Connection:	SQLServer_Anusha (SQL Server)	View...	New Connection...	New Parameter...
Target Type:	Single Object			
Object:	TE_FA_HEALTH_DATASET_JICS_TGT	Select...	Preview Data...	
Operation:	Update			
Update Columns:	Pat_Key	Edit...		

Other tabs visible include 'General', 'Incoming Fields', 'Target Fields', and 'Field Mapping'. Buttons at the top right include 'Save', 'Run', and navigation icons.

m_TE_FA_HEALTH_SCD1 | Valid

Properties Preview | HEALTH_IICS_TGT_UPT

General Field map options: Manual

Incoming Fields Incoming Fields: (9 of 26 mapped) Find

Field Name
O_PAT_KEY
Flag
Pat_Key
Pat_ID
Pat_AGE
Pat_CATEGORY_NAME
Pat_DISTRICT_NAME
Pat_PREAUTH_AMT
Pat_CLAIM_AMOUNT
Pat_HOSP_NAME
Checksum

Target Fields: (9 of 9 mapped) Find

Field Name	Mapped Field
Pat_Key	O_PAT_KEY
Pat_ID	O_PID
Pat_AGE	O_AGE
Pat_CATEGORY_NAME	O_CATEGORY_NAME
Pat_DISTRICT_NAME	O_DISTRICT_NAME
Pat_PREAUTH_AMT	O_PREAUTH_AMT
Pat_CLAIM_AMOUNT	O_CLAIM_AMOUNT
Pat_HOSP_NAME	O_HOSP_NAME
Checksum	O_CHECKSUM

3) Save and run the task

apse1.dm-ap.informaticacloud.com/diUI/products/integrationDesign/main/MonitorJobs/di

Informatica Data Integration

New... Home Explore Bundles My Jobs My Import/Export Logs m_TE_FA_IICS_HE... m_TE_FA_HEALTH_...

My Jobs

My Jobs | Data Integration

Jobs (1 of 57) 1 Updates available Updated 7:42:02 AM PDT Find

Asset Name: m_TE_FA_HEALTH_SCD1-1 Add Field

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
m_TE_FA_HEALTH_SCD1-1	Anusha_IICS		Oct 6, 2022, 7:39 AM	Oct 6, 2022, 7:42 ...	999	Success

4) Destination Table

Select * from TE_FA_HEALTH_DATASET_IICS_TGT

	Pat_Key	Pat_ID	Pat_AGE	Pat_CATEGORY_NAME	Pat_DISTRICT_NAME	Pat_PRAUTH_AMT	Pat_CLAIM_AMOUNT	Pat_HOSP_NAME	Checksum
1	1	1	56	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt.	E453604057
2		2	37	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt.	63C17E2A1F
3		3	50	NEPHROLOGY	Srikakulam	12,500	11,500	Rims Govt.	ED0A9B57D0
4		4	45	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt.	DC659C50EC
5		5	54	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt.	913C652ADB
6		6	35	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt.	6859E0E4BE
7		7	52	NEPHROLOGY	Kurnool	12,500	11,000	Govt Gener	A67088911D
8		8	73	NEPHROLOGY	Vizianagar	12,500	5,000	Queens Nri	09C7CC145E
9		9	56	CARDIAC AN	Guntur	40,000	40,000	Karumuri H	A7A10F64A9
10		10	49	CARDIAC AN	Guntur	115,846	115,846	Karumuri H	4323540C81
11		11	52	NEPHROLOGY	Vishakhapa	12,500	6,250	Queens Nri	52C222DB53
12		12	56	CARDIOLOGY	Guntur	30,000	30,000	Karumuri H	B85F081E9A
13		13	65	CARDIOLOGY	Guntur	40,000	40,000	Karumuri H	4000D3C499
14		14	75	CARDIOLOGY	Guntur	40,000	40,000	Karumuri H	8008D4230B
15		15	52	CARDIOLOGY	Guntur	40,000	25,000	Karumuri H	C0E7818670
16		16	56	CARDIOLOGY	Guntur	30,000	30,000	Karumuri H	6E3497CE3F
17		17	1	COCHLEAR I	Guntur	520,000	520,000	Ent Nursin	EF53DB548
18		18	54	CARDIAC AN	Guntur	115,846	108,846	Karumuri H	6DBE8AE213
19		19	48	CARDIAC AN	Guntur	115,846	110,846	Karumuri H	5A789EC76F
20		20	57	CARDIOLOGY	Guntur	30,000	30,000	Karumuri H	C8E50C4444

5) Update any column in source table

Select * from TE_FA_HEALTH_DATASET_IICS

	PID	AGE	CATEGORY_NAME	DISTRICT_NAME	PREAUTH_AMT	CLAIM_AMOUNT	HOSP_NAME
1	1	56	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt. General Hospital, Srikakulam
2	2	37	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt. General Hospital, Srikakulam
3	3	50	NEPHROLOGY	Srikakulam	12,500	11,500	Rims Govt. General Hospital, Srikakulam
4	4	45	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt. General Hospital, Srikakulam
5	5	54	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt. General Hospital, Srikakulam
6	6	35	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt. General Hospital, Srikakulam
7	7	52	NEPHROLOGY	Kurnool	12,500	11,000	Govt General Hospital Kurnool
8	8	73	NEPHROLOGY	Vizianagaram	12,500	5,000	Queens Nri Hospitals
9	9	56	CARDIAC AND CARDIOTHORACIC SURGERY	Guntur	40,000	40,000	Karumuri Hospital
10	10	49	CARDIAC AND CARDIOTHORACIC SURGERY	Guntur	115,846	115,846	Karumuri Hospital
11	11	52	NEPHROLOGY	Vishakhapatnam	12,500	6,250	Queens Nri Hospitals
12	12	56	CARDIOLOGY	Guntur	30,000	30,000	Karumuri Hospital
13	13	65	CARDIOLOGY	Guntur	40,000	40,000	Karumuri Hospital
14	14	75	CARDIOLOGY	Guntur	40,000	40,000	Karumuri Hospital
15	15	52	CARDIOLOGY	Guntur	40,000	25,000	Karumuri Hospital
16	16	56	CARDIOLOGY	Guntur	30,000	30,000	Karumuri Hospital
17	17	1	COCHLEAR IMPLANT SURGERY	Guntur	520,000	520,000	Ent Nursing Home
18	18	54	CARDIAC AND CARDIOTHORACIC SURGERY	Guntur	115,846	108,846	Karumuri Hospital
19	19	48	CARDIAC AND CARDIOTHORACIC SURGERY	Guntur	115,846	110,846	Karumuri Hospital
20	20	57	CARDIOLOGY	Guntur	30,000	30,000	Karumuri Hospital
21	21	55	NEPHROLOGY	Waest Gondavari	12,500	2,500	Queens Nri Hospital

```

Select * from TE_FA_HEALTH_DATASET_IICS
UPDATE TE_FA_HEALTH_DATASET_IICS SET AGE=60 WHERE PID=1

```

Select * from TE_FA_HEALTH_DATASET_IICS

	PID	AGE	CATEGORY_NAME	DISTRICT_NAME	PREAUTH_AMT	CLAIM_AMOUNT	HOSP_NAME
1	1	60	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt. General Hospital, Srikakulam
2	2	37	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt. General Hospital, Srikakulam
3	3	50	NEPHROLOGY	Srikakulam	12,500	11,500	Rims Govt. General Hospital, Srikakulam
4	4	45	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt. General Hospital, Srikakulam
5	5	54	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt. General Hospital, Srikakulam
6	6	35	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt. General Hospital, Srikakulam
7	7	52	NEPHROLOGY	Kurnool	12,500	11,000	Govt General Hospital Kurnool
8	8	73	NEPHROLOGY	Vizianagaram	12,500	5,000	Queens Nri Hospitals
9	9	56	CARDIAC AND CARDIOTHORACIC SURGERY	Guntur	40,000	40,000	Karumuri Hospital
10	10	49	CARDIAC AND CARDIOTHORACIC SURGERY	Guntur	115,846	115,846	Karumuri Hospital
11	11	52	NEPHROLOGY	Vishakhapatnam	12,500	6,250	Queens Nri Hospitals
12	12	56	CARDIOLOGY	Guntur	30,000	30,000	Karumuri Hospital
13	13	65	CARDIOLOGY	Guntur	40,000	40,000	Karumuri Hospital
14	14	75	CARDIOLOGY	Guntur	40,000	40,000	Karumuri Hospital
15	15	52	CARDIOLOGY	Guntur	40,000	25,000	Karumuri Hospital
16	16	56	CARDIOLOGY	Guntur	30,000	30,000	Karumuri Hospital
17	17	1	COCHLEAR IMPLANT SURGERY	Guntur	520,000	520,000	Ent Nursing Home
18	18	54	CARDIAC AND CARDIOTHORACIC SURGERY	Guntur	115,846	108,846	Karumuri Hospital

Save Cancel Script | 200+ Rows: 1 200 row(s) fetched - 349ms (18ms fetch), on 2022-10-06 09:56:23 IST | en Writable Smart Insert | 96 : 56 : 2316 Set: 0 | 0

6) Run the mapping again

apse1.dm.ap.informaticacloud.com/diUI/products/integrationDesign/main/MonitorJobs/di

My Jobs Data Integration

Jobs (2 of 58) Up to date Updated 7:50:27 AM PDT

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
m_TE_FA_HEALTH_SCD1-2	Anusha_IICS		Oct 6, 2022, 7:47 AM	Oct 6, 2022, 7:48 ...	1	Success
m_TE_FA_HEALTH_SCD1-1	Anusha_IICS		Oct 6, 2022, 7:39 AM	Oct 6, 2022, 7:42 ...	999	Success

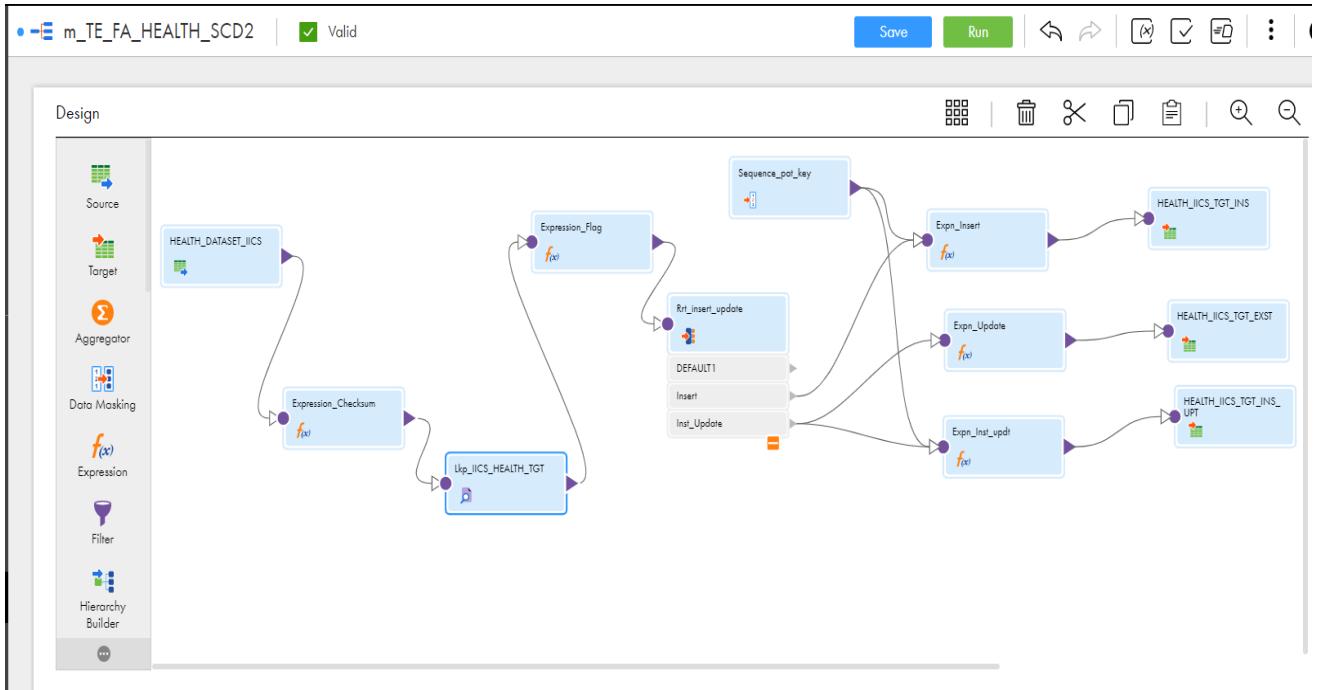
7) Destination table with updated result

	Pat_Key	Pat_ID	Pat_AGE	Pat_CATEGORY_NAME	Pat_DISTRICT_NAME	Pat_PREAUTH_AMT	Pat_CLAIM_AMOUNT	Pat_HOSP_NAME	Checksum
1	1	1	60	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt.	5D522D7925
2	2	2	37	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt.	63C17E2A1F
3	3	3	50	NEPHROLOGY	Srikakulam	12,500	11,500	Rims Govt.	ED0A9B57DC
4	4	4	45	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt.	DC659C50EC
5	5	5	54	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt.	913C652A8B
6	6	6	35	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt.	6859E0E48E
7	7	7	52	NEPHROLOGY	Kurnool	12,500	11,000	Govt Gener	A67088911D
8	8	8	73	NEPHROLOGY	Vizianagar	12,500	5,000	Queens Nri	09C7CC145E
9	9	9	56	CARDIAC AN	Guntur	40,000	40,000	Karumuri H	A7A10F64A9
10	10	10	49	CARDIAC AN	Guntur	115,846	115,846	Karumuri H	4323540C81
11	11	11	52	NEPHROLOGY	Vishakhapa	12,500	6,250	Queens Nri	52C222DB53
12	12	12	56	CARDIOLOGY	Guntur	30,000	30,000	Karumuri H	BB5F081E9A
13	13	13	65	CARDIOLOGY	Guntur	40,000	40,000	Karumuri H	4000D3C499
14	14	14	75	CARDIOLOGY	Guntur	40,000	40,000	Karumuri H	8008D4230B
15	15	15	52	CARDIOLOGY	Guntur	40,000	25,000	Karumuri H	C0E7818670
16	16	16	56	CARDIOLOGY	Guntur	30,000	30,000	Karumuri H	6E3497CE3F
17	17	17	1	COCHLEAR I	Guntur	520,000	520,000	Ent Nursin	EF53BD8548
18	18	18	54	CARDIAC AN	Guntur	115,846	108,846	Karumuri H	6DBE8AE213
19	19	19	48	CARDIAC AN	Guntur	115,846	110,846	Karumuri H	5A789EC76F

Slowly Changing Dimension -Type 2

1) Create new mapping and rename mapping

2) The below dataflow is for SCD2 mapping



a) Create new source connection

The screenshot shows the properties dialog for the source connection **HEALTH_DATASET_IICS**. The **Source** tab is selected. The configuration includes:

- Connection:** SQLServer_Anusha (SQL Server)
- Source Type:** Single Object
- Object:** TE_FA_HEALTH_DATASET_IICS

Below the source tab, there are sections for **Query Options** and **Advanced**.

b) Expression to set the columns

The screenshot shows the 'Properties' tab for a task named 'm_TE_FA_HEALTH_SCD2'. The status bar indicates 'Valid'. The 'Expression' section is selected. It contains a table of expressions:

Field Name	Expression	Field Description
O_PID	PID	
O AGE	AGE	
O_CATEGORY_NAME	CATEGORY_NAME	
O_DISTRICT_NAME	DISTRICT_NAME	
O_PREAUTH_AMT	PREAUTH_AMT	
O_CLAIM_AMOUNT	CLAIM_AMOUNT	
O_HOSP_NAME	HOSP_NAME	
O_CHECKSUM	MD5(PID AGE DISTRICT_NAME CATEGORY_NAME)	

c) Set lookup object and condition in lookup transformation

Destination table

```
-----SCD2 -----
---Create destination table---

CREATE TABLE TE_FA_HEALTH_DATASET_IICS_TGT2(
    [Pat_Key] float,
    [Pat_ID] float,
    [Pat_AGE] float,
    [Pat_CATEGORY_NAME] nvarchar(255),
    [Pat_DISTRICT_NAME] nvarchar(255),
    [Pat_PREAUTH_AMT] float,
    [Pat_CLAIM_AMOUNT] float,
    [Pat_HOSP_NAME] nvarchar(255),
    [Start_date] date,
    [End_date] date,
    [Checksum] nvarchar(255)
);
```

m_TE_FA_HEALTH_SCD2 | Valid

Properties Preview | Lkp_IICS_HEALTH_TGT

General

Incoming Fields

Lookup Object

Lookup Condition

Return Fields

Advanced

Lookup Object Details

Connection: SQLServer_Anusha (SQL Server) View... New Connection... New Parameter...

Source Type: Single Object Select... Preview Data...

Lookup Object: TE_FA_HEALTH_DATASET_IICS_TGT2

Multiple Matches: Return any row

Properties Preview | Lkp_IICS_HEALTH_TGT

General

Incoming Fields

Lookup Object

Lookup Condition

Return Fields

Advanced

Lookup Condition: Simple

Lookup Conditions

Lookup Field	Operator	Incoming Field
Pat_ID	=	O_PID

d) Expression to set flag

Properties Preview | Expression_Flag

General

Create simple expressions. You can also use expression macros to create complex expressions.

Allow additional fields and expressions during task creation

Expression

Expressions

Field Name	Expression	Field Description
Flag	IIF(ISNULL(Pat_Key), 'I', IIF(O_CHECKSUM!=Checksum,'U'))	

Window

Advanced

e) Router to route the data based on flag

The screenshot shows the 'Properties' tab for a Router component named 'Rrt_insert_update'. The 'Output Groups' section contains a table with two rows:

Group Name	Condition
DEFAULT1	
Insert	Flag='I'
Inst_Update	Flag='U'

f) Sequence generator is connected to insert and insert update target.

Expression transformation to insert data.

The screenshot shows the 'Properties' tab for an Expression transformation named 'Expn_Insert'. The 'Expression' section contains a table with three rows:

Field Name	Expression	Field Description
O_PAT_KEY	NEXTVAL	
O_START_DATE	SYSDATE	
O_END_DATE	TO_DATE('9999-12-31','YYYY-MM-DD')	

g) Target to insert data

The screenshot shows the 'Properties' tab for a Target component named 'HEALTH_IICS_TGT_INS'. The 'Target' section contains the following settings:

- Connection: SQLServer_Anusha (SQL Server)
- Target Type: Single Object
- Object: TE_FA_HEALTH_DATASET_IICS_TGT2
- Operation: Insert
- Truncate target
- Enable target bulk load

Properties Preview | HEALTH_IICS_TGT_INS

General Field map options: Manual Option

Incoming Fields: (11 of 32 mapped) Find

Field Name
O_PAT_KEY
O_START_DATE
O_END_DATE
Flag
Pat_Key
Pat_ID
Pat_AGE
Pat_CATEGORY_NAME
Pat_DISTRICT_NAME
Pat_PREAUTH_AMT
Pat_CLAIM_AMOUNT

Target Fields: (11 of 11 mapped) Find Automap

Field Name	Mapped Field
Pat_Key	O_PAT_KEY
Pat_ID	O_PID
Pat_AGE	O_AGE
Pat_CATEGORY_NAME	O_CATEGORY_NAME
Pat_DISTRICT_NAME	O_DISTRICT_NAME
Pat_PREAUTH_AMT	O_PREAUTH_AMT
Pat_CLAIM_AMOUNT	O_CLAIM_AMOUNT
Pat_HOSP_NAME	O_HOSP_NAME
Start_date	O_START_DATE
End_date	O_END_DATE
Checksum	O_CHECKSUM

h) Expression to update data.

Properties Preview | f(x) Expn_Update

General Create simple expressions. You can also use expression macros to create complex expressions.

Allow additional fields and expressions during task creation

Expressions

Field Name	Expression	Field Description
O_PAT_KEY	Pat_Key	
O_END_DATE	SYSDATE	

i) Select target table and map columns.

The screenshot shows the 'Properties' tab for a mapping job. The 'Target' tab is selected. Under 'Target Fields', the 'Object' dropdown is set to 'TE_FA_HEALTH_DATASET_IICS_TGT2'. Under 'Field Mapping', the 'Update Columns' dropdown is set to 'Pat_Key'. A 'Details' section is expanded, showing connection settings and target type.

The screenshot shows the 'Field Mapping' tab. Under 'Incoming Fields', there is a list of fields: O_PAT_KEY, O_END_DATE, Flag, Pat_Key, Pat_ID, Pat_AGE, Pat_CATEGORY_NAME, Pat_DISTRICT_NAME, Pat_PREAUTH_AMT, Pat_CLAIM_AMOUNT, Pat_HOSP_NAME, Start_date, End_date, and Checksum. Under 'Target Fields', there is a list of mapped fields: Pat_Key (mapped to O_PAT_KEY), Pat_ID, Pat_AGE, Pat_CATEGORY_NAME, Pat_DISTRICT_NAME, Pat_PREAUTH_AMT, Pat_CLAIM_AMOUNT, Pat_HOSP_NAME, Start_date, End_date (mapped to O_END_DATE), and Checksum. The 'Field map options' dropdown is set to 'Manual'.

Field Name	Mapped Field
Pat_Key	O_PAT_KEY
Pat_ID	
Pat_AGE	
Pat_CATEGORY_NAME	
Pat_DISTRICT_NAME	
Pat_PREAUTH_AMT	
Pat_CLAIM_AMOUNT	
Pat_HOSP_NAME	
Start_date	
End_date	O_END_DATE
Checksum	

j) Select expression for insert after update

The screenshot shows the 'Properties' tab selected for task 'm_TE_FA_HEALTH_SCD2'. The title bar indicates the task name and a 'Valid' status. The 'Expression' tab is active, showing the expression 'Expn_Inst_upd'. The 'Expressions' section contains three entries:

Field Name	Expression	Field Description
O_PAT_KEY	NEXTVAL	
O_START_DATE	SYSDATE	
O_END_DATE	TO_DATE('9999-12-31','YYYY-MM-DD')	

k) Select target and map columns.

The screenshot shows the 'Properties' tab selected for task 'm_TE_FA_HEALTH_SCD2'. The title bar indicates the task name and a 'Valid' status. The 'Target' tab is active, showing the target object 'HEALTH_IICS_TGT_INS_UPT'. The 'Details' section includes the following settings:

- Connection:** SQLServer_Anusha [SQL Server]
- Target Type:** Single Object
- Object:** TE_FA_HEALTH_DATASET_IICS_TGT2
- Operation:** Insert

Below these settings are two unchecked checkboxes:

- Truncate target
- Enable target bulk load

m_TE_FA_HEALTH_SCD2 | Valid

Properties Preview HEALTH_IICS_TGT_IS_UPD

General Incoming Fields Target Target Fields Field Mapping

Incoming Fields: (11 of 32 mapped)

- O_PAT_KEY
- O_START_DATE
- O_END_DATE
- Flag
- Pat_Key
- Pat_ID
- Pat_AGE
- Pat_CATEGORY_NAME
- Pat_DISTRICT_NAME
- Pat_PREAUTH_AMT
- Pat_CLAIM_AMOUNT

Target Fields: (11 of 11 mapped)

Field Name	Mapped Field
Pat_Key	O_PAT_KEY
Pat_ID	O_PID
Pat_AGE	O_AGE
Pat_CATEGORY_NAME	O_CATEGORY_NAME
Pat_DISTRICT_NAME	O_DISTRICT_NAME
Pat_PREAUTH_AMT	O_PREAUTH_AMT
Pat_CLAIM_AMOUNT	O_CLAIM_AMOUNT
Pat_HOSP_NAME	O_HOSP_NAME
Start_date	O_START_DATE
End_date	O_END_DATE
Checksum	O_CHECKSUM

3) Save and run the task

https://apex1.dms.ap.informaticacloud.com/diUI/products/integrationDesign/main/MonitorJobs/di

Informatica Data Integration

My Jobs Data Integration

Jobs (1 of 59)

Asset Name: m_TE_FA_HEALTH_SC... Add Field

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
m_TE_FA_HEALTH_SCD2-1	Anusha_IICS		Oct 6, 2022, 8:21 AM	Oct 6, 2022, 8:24 ...	999	Success

4) Target table

DBeaver 22.2.0 - <anusha> FA_IICS

--INSERTING DATA FROM IICS--

```
SELECT * FROM TE_FA_HEALTH_DATASET_IICS_TGT2;
```

Pat_Key	Pat_ID	Pat_AGE	Pat_CATEGORY_NAME	Pat_DISTRICT	Pat_PREAUTH	Pat_CLAIM_AMOUNT	Pat_Start_date	Pat_End_date	Pat_Checksum
1	1	60	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Gov	2022-10-06	9999-12-31 5D522D7925
2	2	37	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Gov	2022-10-06	9999-12-31 E6C17E2A1F
3	3	50	NEPHROLOGY	Srikakulam	12,500	11,500	Rims Gov	2022-10-06	9999-12-31 DC659C50EC
4	4	45	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Gov	2022-10-06	9999-12-31 913C652A2DB
5	5	54	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Gov	2022-10-06	9999-12-31 6859E0E4BE
6	6	35	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Gov	2022-10-06	9999-12-31 A67088911D
7	7	52	NEPHROLOGY	Kurnool	12,500	11,000	Govt Gen	2022-10-06	9999-12-31 0000D3C499
8	8	73	NEPHROLOGY	Vizianagar	12,500	5,000	Queens N	2022-10-06	9999-12-31 09C7CC145E
9	9	56	CARDIAC AN	Guntur	40,000	40,000	Karumuri	2022-10-06	9999-12-31 A7A10F64A9
10	10	49	CARDIAC AN	Guntur	115,846	115,846	Karumuri	2022-10-06	9999-12-31 4323540C81
11	11	52	NEPHROLOGY	Vishakhapa	12,500	6,250	Queens N	2022-10-06	9999-12-31 52C22DB53
12	12	56	CARDIOLOGY	Guntur	30,000	30,000	Karumuri	2022-10-06	9999-12-31 B85F081E9A
13	13	65	CARDIOLOGY	Guntur	40,000	40,000	Karumuri	2022-10-06	9999-12-31 4000D3C499
14	14	75	CARDIOLOGY	Guntur	40,000	40,000	Karumuri	2022-10-06	9999-12-31 8008D4230B
15	15	52	CARDIOLOGY	Guntur	40,000	25,000	Karumuri	2022-10-06	9999-12-31 C0E7818670
16	16	56	CARDIOLOGY	Guntur	30,000	30,000	Karumuri	2022-10-06	9999-12-31 6E3497CE3F
17	17	1	COCHLEAR I	Guntur	520,000	520,000	Ent Nurs	2022-10-06	9999-12-31 EF53BD8548
18	18	54	CARDIAC AN	Guntur	115,846	108,846	Karumuri	2022-10-06	9999-12-31 6D8E8AE213

5) Update column in source table

--UPDATE SOURCE DATA--

```
UPDATE TE_FA_HEALTH_DATASET_IICS SET AGE=40 WHERE PID=2;
```

```
Select * from TE_FA_HEALTH_DATASET_IICS
```

PID	AGE	CATEGORY_NAME	DISTRICT_NAME	PREAUTH_AMT	CLAIM_AMOUNT	HOSP_NAME
1	1	60 NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt. General Hospital, Srikakulam
2	2	40 NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt. General Hospital, Srikakulam
3	3	50 NEPHROLOGY	Srikakulam	12,500	11,500	Rims Govt. General Hospital, Srikakulam
4	4	45 NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt. General Hospital, Srikakulam
5	5	54 NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt. General Hospital, Srikakulam
6	6	35 NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt. General Hospital, Srikakulam
7	7	52 NEPHROLOGY	Kurnool	12,500	11,000	Govt General Hospital Kurnool
8	8	73 NEPHROLOGY	Vizianagaram	12,500	5,000	Queens Nri Hospitals
9	9	56 CARDIAC AND CARDIOTHORACIC SURGERY	Guntur	40,000	40,000	Karumuri Hospital
10	10	49 CARDIAC AND CARDIOTHORACIC SURGERY	Guntur	115,846	115,846	Karumuri Hospital
11	11	52 NEPHROLOGY	Vishakhapatnam	12,500	6,250	Queens Nri Hospitals
12	12	56 CARDIOLOGY	Guntur	30,000	30,000	Karumuri Hospital
13	13	65 CARDIOLOGY	Guntur	40,000	40,000	Karumuri Hospital
14	14	75 CARDIOLOGY	Guntur	40,000	40,000	Karumuri Hospital
15	15	52 CARDIOLOGY	Guntur	40,000	25,000	Karumuri Hospital
16	16	56 CARDIOLOGY	Guntur	30,000	30,000	Karumuri Hospital
17	17	1 COCHLEAR IMPLANT SURGERY	Guntur	520,000	520,000	Ent Nursing Home

6) Run the task and retrieve the results from destination table

→ apse1.dm-ap.informaticacloud.com/diUI/products/integrationDesign/main/MonitorJobs/di

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
m_TE_FA_HEALTH_SCD2-2	Anusha_IICS		Oct 6, 2022, 8:28 AM	Oct 6, 2022, 8:28 ...	2	✓ Success
m_TE_FA_HEALTH_SCD2-1	Anusha_IICS		Oct 6, 2022, 8:21 AM	Oct 6, 2022, 8:24 ...	999	✓ Success

Name	Success Rows	Errors	Error Message	Actions
HEALTH_DATASET_IICS	999	0		
HEALTH_IICS_TGT_INS (TE_FA_HEALTH_DATASET_IICS_TGT2)	0	0		
HEALTH_IICS_TGT_EXST (TE_FA_HEALTH_DATASET_IICS_TGT2_1)	1	0		
HEALTH_IICS_TGT_INS_UPD (TE_FA_HEALTH_DATASET_IICS_TGT2_2)	1	0		

7) Destination table with updated results

Screenshot of a database interface showing the destination table with updated results.

SQL Query:

```
SELECT * FROM TE_FA_HEALTH_DATASET_IICS_TG2
```

Table Structure:

Pat_Key	Pat_ID	Pat_AGE	Pat_CATEGORY_NAME	Pat_DISTR	Pat_PREV	Pat_CLAIN	Pat_HOSP	Start_date	End_date	Checksum
1	1	60	NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt.	2022-10-06	9999-12-31	5D522D7925
2	1	2	40 NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt.	2022-10-06	9999-12-31	0B39D03C8D
3	2	2	37 NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt.	2022-10-06	2022-10-06	63C17E2A1F
4	3	3	50 NEPHROLOGY	Srikakulam	12,500	11,500	Rims Govt.	2022-10-06	9999-12-31	ED0A9B57D0
5	4	4	45 NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt.	2022-10-06	9999-12-31	DC659C50EC
6	5	5	54 NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt.	2022-10-06	9999-12-31	913C652ADB
7	6	6	35 NEPHROLOGY	Srikakulam	12,500	11,000	Rims Govt.	2022-10-06	9999-12-31	6859E0E4BE
8	7	7	52 NEPHROLOGY	Kurnool	12,500	11,000	Govt Gener	2022-10-06	9999-12-31	A67088911D
9	8	8	73 NEPHROLOGY	Vizianagar	12,500	5,000	Queens Nri	2022-10-06	9999-12-31	09C7CC145E
10	9	9	56 CARDIAC AN	Guntur	40,000	40,000	Karumuri H	2022-10-06	9999-12-31	A7A10F64A9
11	10	10	49 CARDIAC AN	Guntur	115,846	115,846	Karumuri H	2022-10-06	9999-12-31	4323540C81
12	11	11	52 NEPHROLOGY	Vishakhapa	12,500	6,250	Queens Nri	2022-10-06	9999-12-31	52C222DB53
13	12	12	56 CARDIOLOGY	Guntur	30,000	30,000	Karumuri H	2022-10-06	9999-12-31	B85F081E9A
14	13	13	65 CARDIOLOGY	Guntur	40,000	40,000	Karumuri H	2022-10-06	9999-12-31	4000D3C499
15	14	14	75 CARDIOLOGY	Guntur	40,000	40,000	Karumuri H	2022-10-06	9999-12-31	8008D4230B
16	15	15	52 CARDIOLOGY	Guntur	40,000	25,000	Karumuri H	2022-10-06	9999-12-31	COE7818670
17	16	16	56 CARDIOLOGY	Guntur	30,000	30,000	Karumuri H	2022-10-06	9999-12-31	6E3497CE3F
18	17	17	1 COCHLEAR I	Guntur	520,000	520,000	Ent Nursin	2022-10-06	9999-12-31	EF538DB548
19	18	18	54 CARDIAC AN	Guntur	115,846	108,846	Karumuri H	2022-10-06	9999-12-31	6DBE8AE213

Bottom Status Bar:

- Save, Cancel, Script
- Page Number: 1 of 200
- Rows: 1 of 200 rows fetched - 315ms (1ms fetch), on 2022-10-06
- Checksum: 5A730E6766
- IST: en | Writable
- Smart Insert
- 131 : 1 : 3184
- Sel: 0 | 0