

Module 4: IICS ----> Data Source 2: Insurance Claim_State_Health_Data

SCD1

1. Mapping



2. Run - Success

Informatica Data Integration

MT_Health_Insurance_SCD1-1

Restart Refresh

Job Properties

Task Name: MT_Health_Insurance_SCD1
Instance ID: 1
Task Type: Mapping Task
Started By: neha_ii through UI
Start Time: Oct 6, 2022 11:20:37 AM
End Time: Oct 6, 2022 11:21:07 AM
Duration: 30 seconds
Runtime Environment: Informatica Cloud Hosted Agent

Results

Status: Success
Success Rows: 30
Errors: 0
Session Log: [Download Session Log](#)

Individual Source/Target Results

Name	Success Rows	Errors	Error Message	Actions
Source	30	0		
Health_Insurance_SCD1_insert (PatientDetails_SCDIICS)	30	0		
Health_Insurance_SCD1_update (PatientDetails_SCDIICS_1)	0	0		

3. Run - Update 1 row - Success

Informatica Data Integration

MT_Health_Insurance_SCD1-2

Restart Refresh

Job Properties

Task Name: MT_Health_Insurance_SCD1
Instance ID: 2
Task Type: Mapping Task
Started By: neha_ii through UI
Start Time: Oct 6, 2022 11:22:39 AM
End Time: Oct 6, 2022 11:22:58 AM
Duration: 19 seconds
Runtime Environment: Informatica Cloud Hosted Agent

Results

Status: Success
Success Rows: 1
Errors: 0
Session Log: [Download Session Log](#)

Individual Source/Target Results

Name	Success Rows	Errors	Error Message	Actions
Source	30	0		
Health_Insurance_SCD1_insert (PatientDetails_SCDIICS)	0	0		
Health_Insurance_SCD1_update (PatientDetails_SCDIICS_1)	1	0		

4. Updated the existing record

The screenshot displays the SQL Developer interface. On the left, the Database Navigator shows the 'nehat' schema with a table 'PatientDetailss'. The main editor contains the following SQL script:

```
--PatientDetailss Table
SELECT * FROM PatientDetailss

CREATE TABLE PatientDetailss_SCDIICS
(
  P_Key INT,
  PID INT,
  AGE INT,
  GENDER VARCHAR(50),
  DISTRICT_NAME VARCHAR(50),
  CATEGORY_CODE VARCHAR(50),
  Checksum VARCHAR(50)
)

SELECT * FROM PatientDetailss_SCDIICS

DROP TABLE PatientDetailss_SCD

-- SCD1
--(Can be loaded and Updated)

UPDATE PatientDetailss SET CATEGORY_CODE= 'M5' WHERE PID=1
```

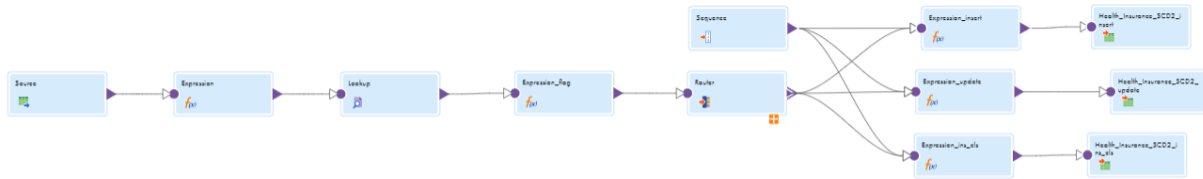
The 'Results' pane at the bottom shows the output of the query 'SELECT * FROM PatientDetailss_SCDIICS':

	P_Key	PID	AGE	GENDER	DISTRICT_NAME	CATEGORY_CODE	Checksum
1	1	1	56	Female	Srikakulam	M5	31AD9F2596
2	2	2	37	Male	Srikakulam	M6	37A19F7FFA
3	3	3	50	Male	Srikakulam	M5	F0CF0DD9A3
4	4	4	45	Male	Srikakulam	M6	3708B9F4F4

The status bar at the bottom indicates '30 row(s) fetched - 258ms, on 2022-10-06 at 23:44:4'.

SCD2

1. Mapping



2. Run - Success

Informatica Data Integration

MT_Health_Insurance_SCD2-1

Restart Refresh

Job Properties

Task Name: MT_Health_Insurance_SCD2
Instance ID: 1
Task Type: Mapping Task
Started By: neha_11 through UI
Start Time: Oct 6, 2022 12:12:28 PM
End Time: Oct 6, 2022 12:13:01 PM
Duration: 33 seconds
Runtime Environment: Informatica Cloud Hosted Agent

Results

Status: Success
Success Rows: 30
Errors: 0
Session Log: Download Session Log

Individual Source/Target Results

Name	Success Rows	Errors	Error Message	Actions
Source	30	0		
Health_Insurance_SCD2_Insert (PatientDetails_SCDIICS)	30	0		
Health_Insurance_SCD2_ins_cls (PatientDetails_SCDIICS_1)	0	0		

3. Run - Update new record and Stored Historical record- Success

Informatica Data Integration

MT_Health_Insurance_SCD2-2

Restart Refresh

Job Properties

Task Name: MT_Health_Insurance_SCD2
Instance ID: 2
Task Type: Mapping Task
Started By: neha_11 through UI
Start Time: Oct 6, 2022 12:15:03 PM
End Time: Oct 6, 2022 12:15:13 PM
Duration: 10 seconds
Runtime Environment: Informatica Cloud Hosted Agent

Results

Status: Warning
Success Rows: 1
Errors: 1
Session Log: Download Session Log

Individual Source/Target Results

Name	Success Rows	Errors	Error Message	Actions
Source	30	0	VRT_8116 ERROR: Target table [PatientDetails_SCDIICS] has no keys specified Row # [0] in bad file	
Health_Insurance_SCD2_Insert (PatientDetails_SCDIICS)	0	0		
Health_Insurance_SCD2_ins_cls (PatientDetails_SCDIICS_1)	1	0		

4. Updated new record and Stored the Historical record

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the Database Navigator shows the 'nehat' database with a 'dbo' schema containing various tables. The main window shows a SQL script with the following content:

```
--PatientDetailss Table  
  
SELECT * FROM PatientDetailss  
  
CREATE TABLE PatientDetailss_SCDIICS  
(  
    P_Key INT,  
    PID INT,  
    AGE INT,  
    GENDER VARCHAR(50),  
    DISTRICT_NAME VARCHAR(50),  
    CATEGORY_CODE VARCHAR(50),  
    Checksum VARCHAR(50),  
    Start_Date DATE,  
    End_Date DATE  
)  
  
SELECT * FROM PatientDetailss_SCDIICS  
  
-- SCD2  
--(Can be loaded and stores historical data as well as new record)  
  
UPDATE PatientDetailss SET CATEGORY_CODE= 'S7' WHERE PID=30
```

Below the script, the 'Results' tab shows a grid with 10 columns: P_Key, PID, AGE, GENDER, DISTRICT_NAME, CATEGORY_CODE, Checksum, Start_Date, and End_Date. The grid contains three rows of data:

	P_Key	PID	AGE	GENDER	DISTRICT_NAME	CATEGORY_CODE	Checksum	Start_Date	End_Date
29	29	29	35	Male	Srikakulam	M5	FE0A35EFA7	2022-10-06	1999-12-31
30	30	30	72	Female	Srikakulam	M6	464B7FD456	2022-10-06	1999-12-31
31	31	30	72	Female	Srikakulam	S7	3E6FD9A01	2022-10-06	1999-12-31

The status bar at the bottom indicates 'Rows: 1' and '31 row(s) fetched - 219ms, on 2022-10-07 at 00:45:3'.

AGGREGATE

1. Mapping

The screenshot shows the Informatica Data Integration Designer interface. The left sidebar contains navigation options: New..., Home, Explore, Bundles, My Jobs, My Import/Export Logs, and Health_Insurance_... (selected). The main workspace displays the 'Design' view of the mapping 'Health_Insurance_Aggregate', which is marked as 'Valid'. The design shows a flow from a 'Source' connector to an 'Aggregator' connector, and then to a 'Target' connector. Below the design canvas, the 'Properties' pane for 'Health_Insurance_Aggregate' is visible, showing the Name, Location (nehat), and Description (Perform Max of AGE Group By GENDER).

2. Run - Success

The screenshot shows the Informatica Data Integration 'My Jobs' page. The top bar indicates 'Updated 9:22:55 PM PDT'. Below the job list, the 'Asset Name' is 'Health_Insurance_Aggr...'. The table below shows the job details:

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
Health_Insurance_Aggr...	nehat		Oct 6, 2022, 9:22 PM	Oct 6, 2022, 9:...	3	Success

3. Max of AGE Group by GENDER - Result

The screenshot displays the SQL Developer interface. On the left, the Database Navigator shows the 'nehat' database schema with tables like 'Aggregate_Patient' and 'Aggregate_PatientIICS'. The main window shows a SQL script with comments and two UPDATE statements. Below the script, the 'Results' pane shows a table with 7 columns: PID, AGE, GENDER, DISTRICT_NAME, CATEGORY_CODE, and O_AGE. The table contains 3 rows of data.

```
--(Can be loaded and Updated)
UPDATE PatientDetailss SET CATEGORY_CODE= 'M5' WHERE PID=1

-- SCD2
--(Can be loaded and stores historical data as well as new record)
UPDATE PatientDetailss SET CATEGORY_CODE= 'S7' WHERE PID=30

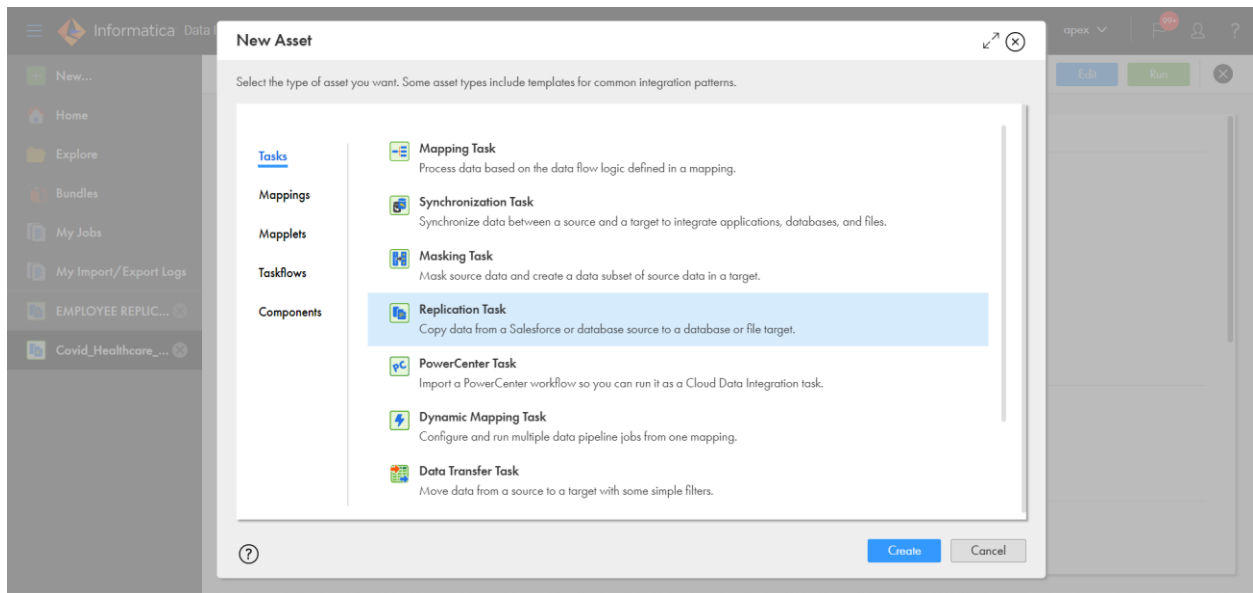
*****
--Aggregate
--Maximum of AGE Group by GENDER
SELECT * FROM Aggregate_PatientIICS
```

PID	AGE	GENDER	DISTRICT_NAME	CATEGORY_CODE	O_AGE
30	72	Female	Srikakulam	S7	74
29	35	Male	Srikakulam	M5	75
17	1	Male(Child)	Guntur	S16	1

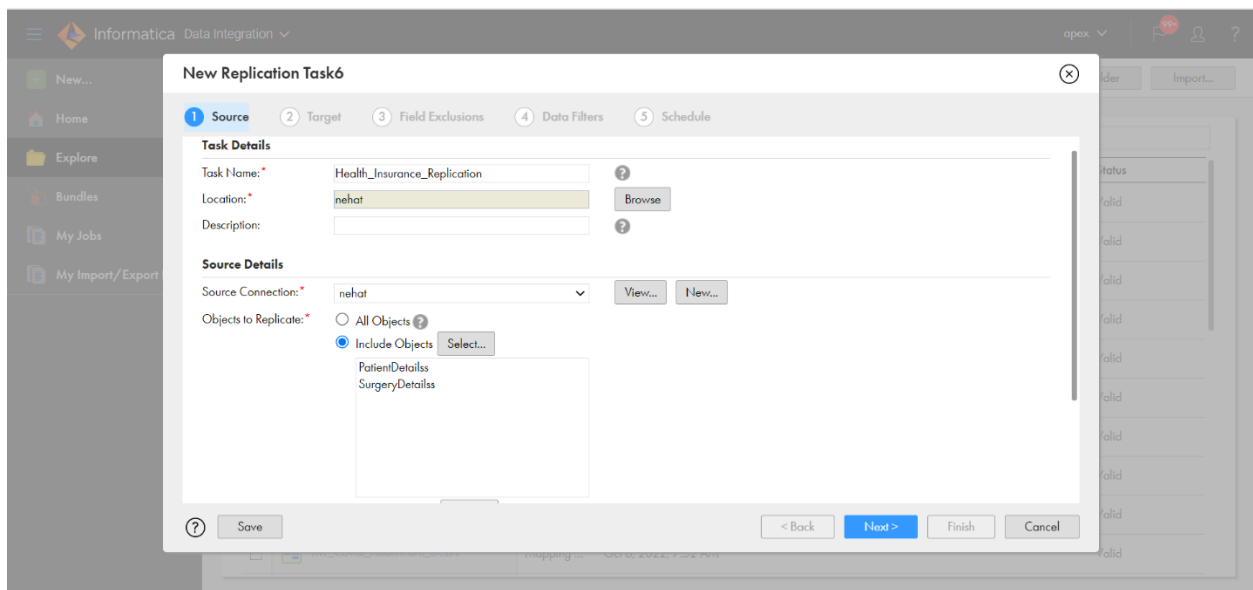
Results 1 x
SELECT * FROM Aggregate_PatientIICS
Grid
PID AGE GENDER DISTRICT_NAME CATEGORY_CODE O_AGE
1 30 72 Female Srikakulam S7 74
2 29 35 Male Srikakulam M5 75
3 17 1 Male(Child) Guntur S16 1
Text
Record
Value x
Save Cancel Script
IST en Writable Smart Insert 200 3 Rows: 1 3 row(s) fetched - 120ms, on 2022-10-07 at 09:53:50
91:26:1691 Set: 0 | 0

REPLICATION

Step 1 - Create Replication Task



Step 2 - Source Objects



Step 3 - Target Connection

New Health_Insurance_Replication

1 Source 2 **Target** 3 Field Exclusions 4 Data Filters 5 Schedule

Target Details

Connection: * nehat View... New... ?

Target Prefix: REP_ ?

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 [] at [] []
- ☒ Full load each run

Delete Options:

- ☒ Remove deleted columns and rows
- ☐ Retain deleted columns and rows

Advanced Options

? Save < Back Next > Finish Cancel

Step 4 - Data Filter

Edit Health_Insurance_Replication

1 Source 2 Target 3 Field Exclusions 4 **Data Filters** 5 Schedule

Row Limit

- ☒ Process all rows
- ☐ Process only the first 100 rows

Data Filters New...

Object SurgeryDetails **Filter by** CATEGORY_CODE Equals 'M6'

? Save < Back Next > Finish Cancel

Step 5 - Schedule

The screenshot shows the 'New Health_Insurance_Replication' dialog box in Informatica Data Integration. The 'Schedule' tab is selected, showing the following options:

- Schedule Details:**
 - ☒ Do not run this task on a schedule
 - ☐ Run this task on schedule: [Dropdown menu] [New...]
- Email Notification Options:**
 - ☐ Use the default email notification options for my organization
 - ☒ Use custom email notification options for this task:
 - Failure Email Notification: nehat2001@gmail.com
 - Warning Email Notification: nehat2001@gmail.com
 - Success Email Notification: nehat2001@gmail.com

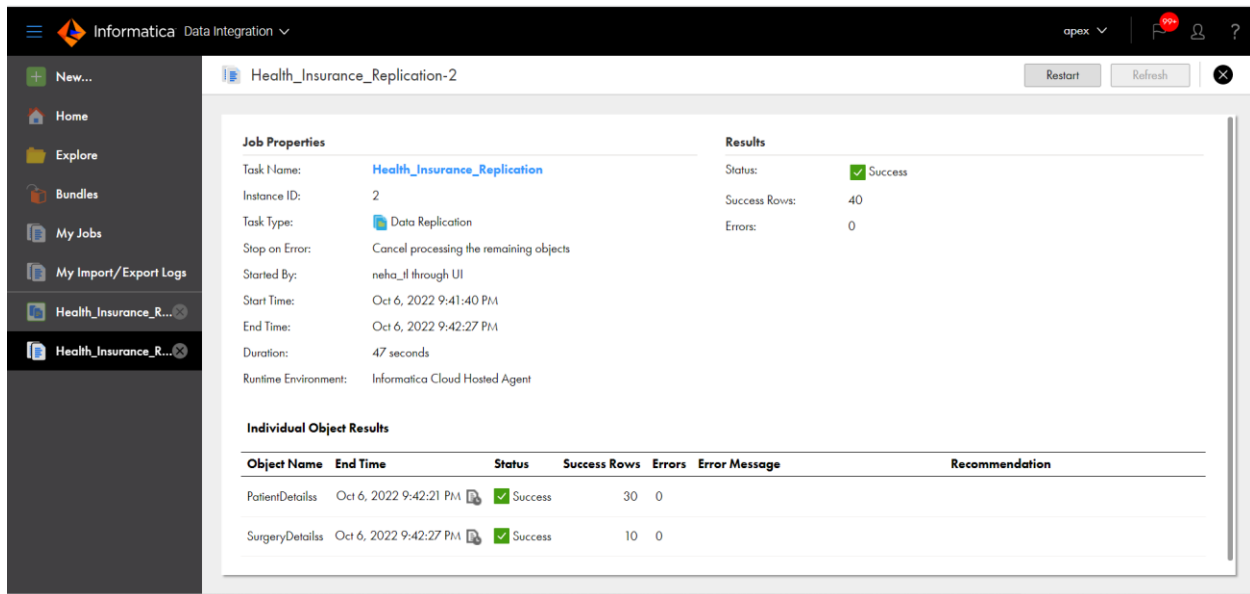
Buttons at the bottom: Save, < Back, Next >, Finish, Cancel.

Step 6 - Run

The screenshot shows the 'Health_Insurance_Replication' task details in Informatica Data Integration. A green banner at the top indicates 'Saved successfully.' The task details are as follows:

- Task Details:**
 - Task Name: Health_Insurance_Replication
 - Location: nehat
 - Description:
 - Created On: Oct 6, 2022 9:37:37 PM
 - Updated On: Oct 6, 2022 9:37:37 PM
 - Created By: neha_tl
 - Updated By: neha_tl
 - Last Run:
- Source Details:**
 - Source Connection: nehat
 - Included Objects: PatientDetails, SurgeryDetails
 - Stop on Error: Cancel processing the remaining objects
- Target Details:**
 - Target Connection: nehat
 - Target Prefix: REP_
 - Load Type: Full load each run

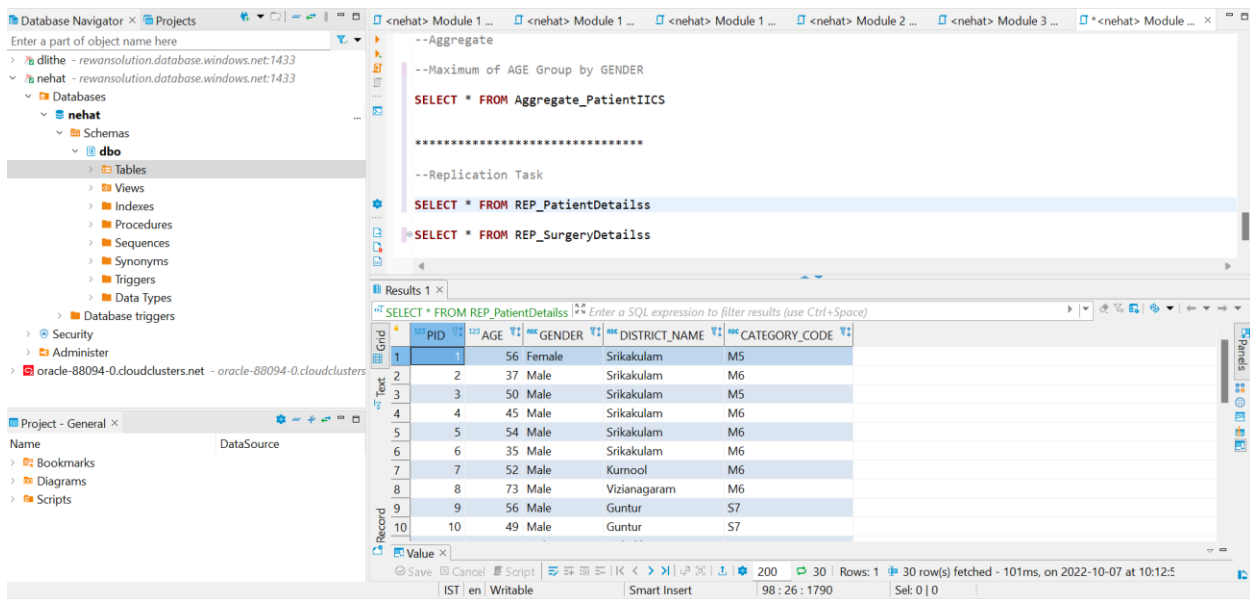
Step 7 - Success



The screenshot shows the Informatica Data Integration console for a job named 'Health_Insurance_Replication-2'. The job is a 'Data Replication' task that has completed successfully. The 'Job Properties' section lists the task name, instance ID (2), task type, stop-on-error setting, start time, end time, duration (47 seconds), and runtime environment (Informatica Cloud Hosted Agent). The 'Results' section shows a status of 'Success', 40 success rows, and 0 errors. Below this, the 'Individual Object Results' table provides a detailed breakdown of the replication for two objects: 'PatientDetails' and 'SurgeryDetails'.

Object Name	End Time	Status	Success Rows	Errors	Error Message	Recommendation
PatientDetails	Oct 6, 2022 9:42:21 PM	Success	30	0		
SurgeryDetails	Oct 6, 2022 9:42:27 PM	Success	10	0		

Step 8 - REP_PatientDetails - Result



The screenshot displays the Informatica SQL Worksheet interface. The left pane shows the 'Database Navigator' with the 'nehat' database selected. The main pane shows the SQL query: 'SELECT * FROM REP_PatientDetails'. The 'Results' pane shows the data returned by the query, which includes 10 rows of patient details. The status bar at the bottom indicates that 30 rows were fetched in 101ms.

PID	AGE	GENDER	DISTRICT_NAME	CATEGORY_CODE
1	56	Female	Srikakulam	M5
2	37	Male	Srikakulam	M6
3	50	Male	Srikakulam	M5
4	45	Male	Srikakulam	M6
5	54	Male	Srikakulam	M6
6	35	Male	Srikakulam	M6
7	52	Male	Kurnool	M6
8	73	Male	Vizianagaram	M6
9	56	Male	Guntur	S7
10	49	Male	Guntur	S7

Step 9 - REP_SurgeryDetailss - Result

DBeever 22.2.0 - <nehat> Module 4 - IICS

File Edit Navigate Search SQL Editor Database Window Help

Auto | nehat | dbo@nehat

Database Navigator | Projects

Enter a part of object name here

- > dlthe - rewansolution.database.windows.net:1433
 - > nehat - rewansolution.database.windows.net:1433
 - > Databases
 - > nehat
 - > Schemas
 - > dbo
 - > Tables
 - > Views
 - > Indexes
 - > Procedures
 - > Sequences
 - > Synonyms
 - > Triggers
 - > Data Types
 - > Database triggers
 - > Security
 - > Administer
 - > oracle-88094-0.cloudclusters.net - oracle-88094-0.cloudclusters

Project - General | DataSource

Name

 - > Bookmarks
 - > Diagrams
 - > Scripts

```
--Maximum of AGE Group by GENDER
SELECT * FROM Aggregate_PatientIICS

*****

--Replication Task
SELECT * FROM REP_PatientDetailss
SELECT * FROM REP_SurgeryDetailss
```

Results 1 x

SELECT * FROM REP_SurgeryDetailss

	CATEGORY_CODE	CATEGORY_NAME	SURGERY_CODE	SURGERY
1	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf
2	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf
3	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf
4	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf
5	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf
6	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf
7	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf
8	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf
9	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf
10	M6	NEPHROLOGY	M6.5	Maintenance Hemodialysis For Crf

Value x

Save Cancel Script

IST | en | Writable

Smart Insert

100 : 28 : 1829

Set: 0 | 0

Rows: 1 10 row(s) fetched - 128ms, on 2022-10-07 at 10:14:00