**FINALASSIGNMENT\_IICSTASK**

**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**

---create insurance source table---

**CREATE** **TABLE** INSURANCE

(

[PID] **float**,

[AGE] **float**,

[GENDER] **nvarchar**(255),

[CASTE\_NAME] **nvarchar**(255),

[CATEGORY\_CODE] **nvarchar**(255),

[CATEGORY\_NAME] **nvarchar**(255),

[SURGERY\_CODE] **nvarchar**(255),

[SURGERY] **nvarchar**(255),

[VILLAGE] **nvarchar**(255),

[MANDAL\_NAME] **nvarchar**(255),

[DISTRICT\_NAME] **nvarchar**(255),

[PREAUTH\_DATE] **datetime**,

[PREAUTH\_AMT] **float**,

[CLAIM\_DATE] **datetime**,

[CLAIM\_AMOUNT] **float**,

[HOSP\_NAME] **nvarchar**(255),

[HOSP\_TYPE] **nvarchar**(255),

[HOSP\_DISTRICT] **nvarchar**(255),

[SURGERY\_DATE] **datetime**,

[DISCHARGE\_DATE] **datetime**,

[Mortality Y / N] **nvarchar**(255),

[MORTALITY\_DATE] **datetime**,

[SRC\_REGISTRATION] **nvarchar**(255),

)

**select** \* **from** insurance

----create TE\_ANKITH\_FINALASSIGNMENT\_IICSINSURANCE destination---

**create** **table** TE\_ANKITH\_FINALASSIGNMENT\_IICSINSURANCES

(

[PID] **float**,

[AGE] **float**,

[GENDER] **nvarchar**(255),

[CASTE\_NAME] **nvarchar**(255),

[CATEGORY\_CODE] **nvarchar**(255),

[CATEGORY\_NAME] **nvarchar**(255),

[SURGERY\_CODE] **nvarchar**(255),

[SURGERY] **nvarchar**(255),

[VILLAGE] **nvarchar**(255),

[MANDAL\_NAME] **nvarchar**(255),

[DISTRICT\_NAME] **nvarchar**(255),

[PREAUTH\_DATE] **datetime**,

[PREAUTH\_AMT] **float**,

[CLAIM\_DATE] **datetime**,

[CLAIM\_AMOUNT] **float**,

[HOSP\_NAME] **nvarchar**(255),

[HOSP\_TYPE] **nvarchar**(255),

[HOSP\_DISTRICT] **nvarchar**(255),

[SURGERY\_DATE] **datetime**,

[DISCHARGE\_DATE] **datetime**,

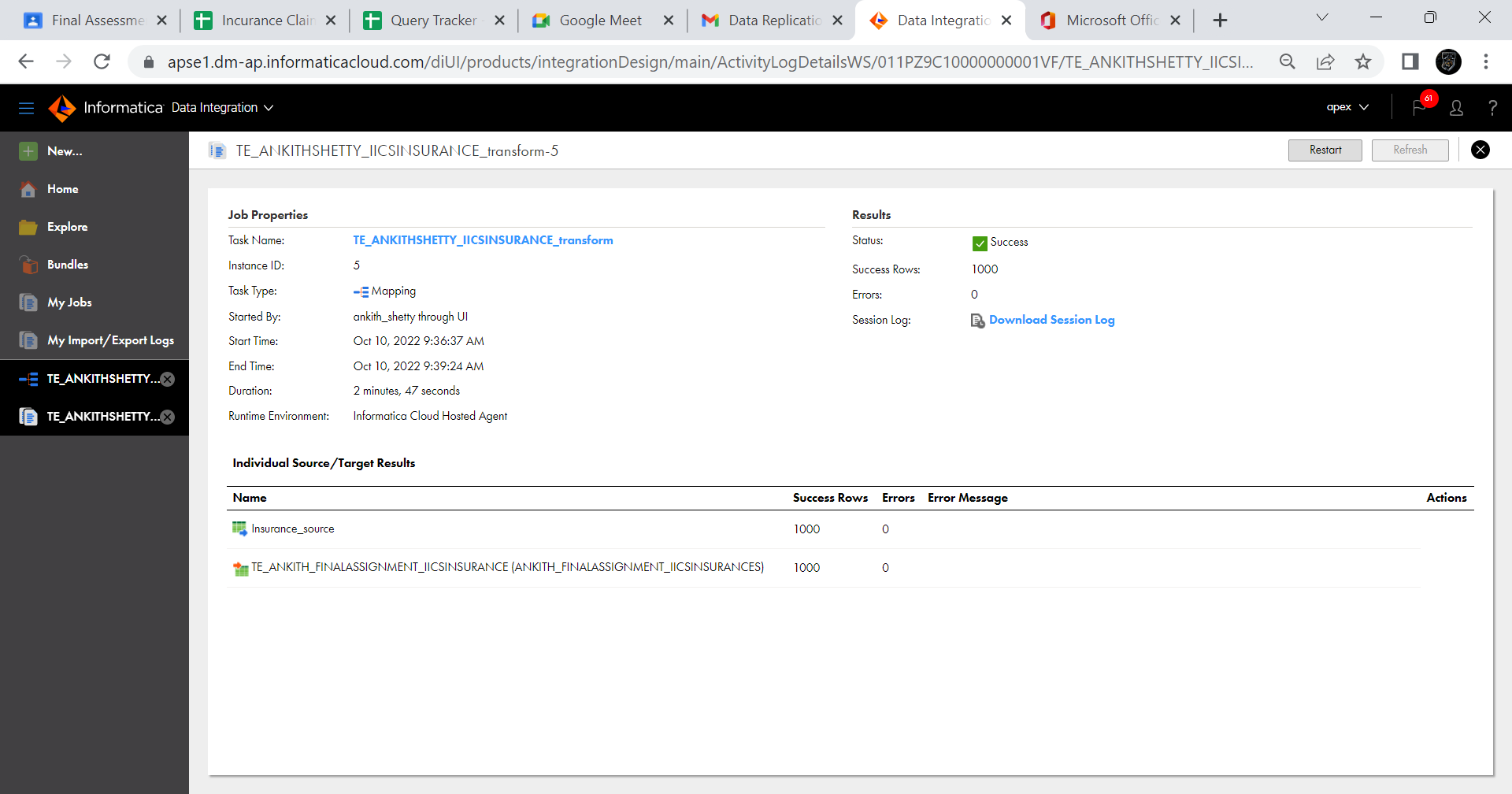
[Mortality Y / N] **nvarchar**(255),

[MORTALITY\_DATE] **datetime**,

[SRC\_REGISTRATION] **nvarchar**(255),

)

----IICS TRANSFORMATION----



**---ANKITHSHETTY\_FINALASSESMENT\_IICSINSURANCES destination output---**A screenshot of a computer

Description automatically generated with medium confidence

**----SCD1 Transformation---**

**---Insurance source table---**

**CREATE** **TABLE** INSURANCE\_IICS(

[PID] **float**,

[AGE] **float**,

[CATEGORY\_NAME] **varchar**(255),

[DISTRICT\_NAME] **varchar**(255),

[PREAUTH\_AMT] **float**,

[CLAIM\_AMOUNT] **float**,

[HOSP\_NAME] **varchar**(255),

)

**---Insurance Target Table---**

**create** **table** ANKITH\_FINALASSIGNMENT\_IICSINSURANCETarget

(

[PID] **float**,

[AGE] **float**,

[CATEGORY\_NAME] **varchar**(255),

[DISTRICT\_NAME] **varchar**(255),

[PREAUTH\_AMT] **float**,

[CLAIM\_AMOUNT] **float**,

[HOSP\_NAME] **varchar**(255),

[PATIENT\_KEY] **Float**,

[CHECKSUM] **varchar**(255)

)

**---IICS Steps---**A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

**---SCD1 Output---**

Graphical user interface, table

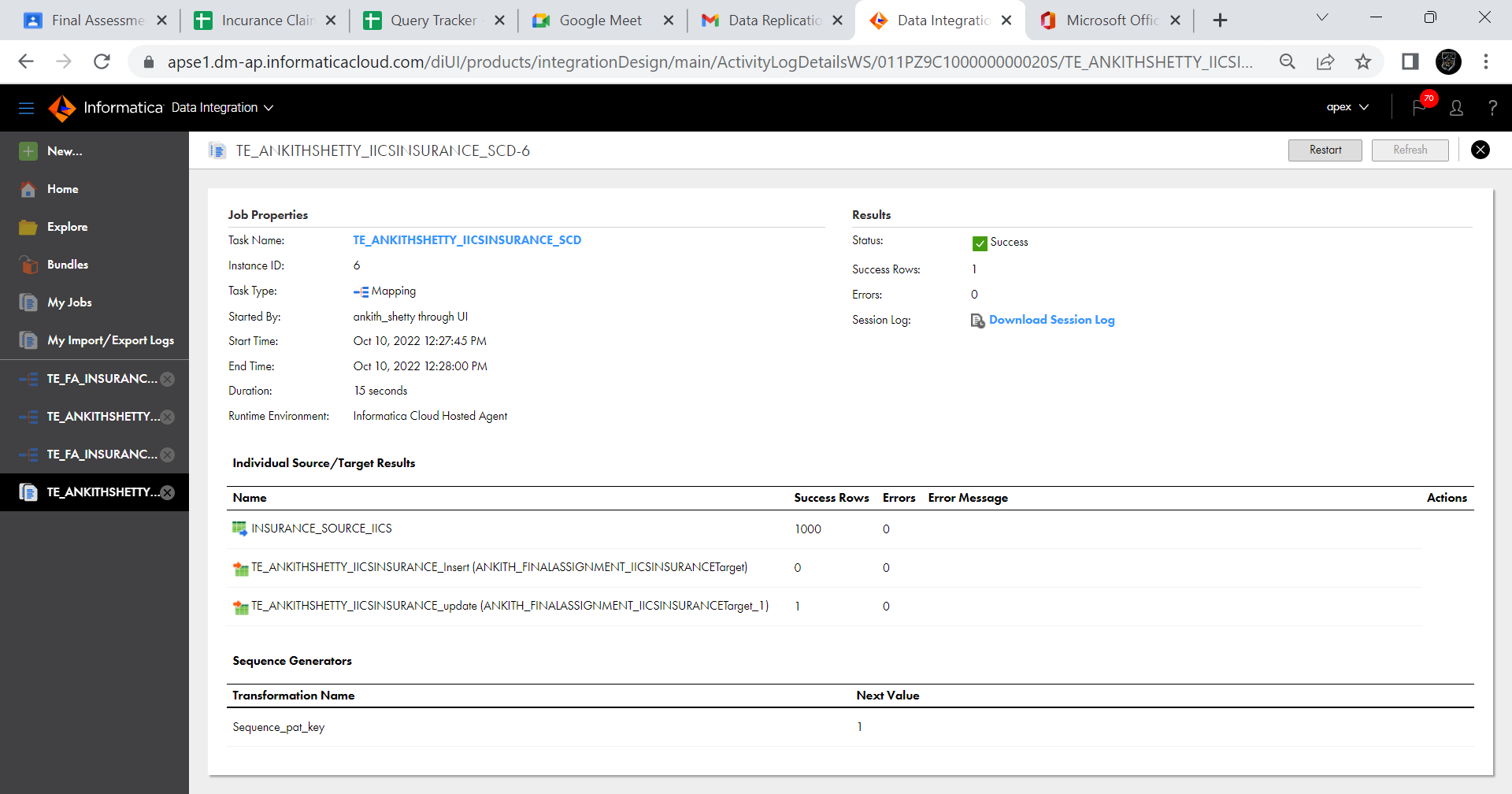
Description automatically generated

---Update in SCD transformation---

**UPDATE** insurance\_IICS

**SET** CATEGORY\_NAME='Medical Oncology' **WHERE** PID=9;

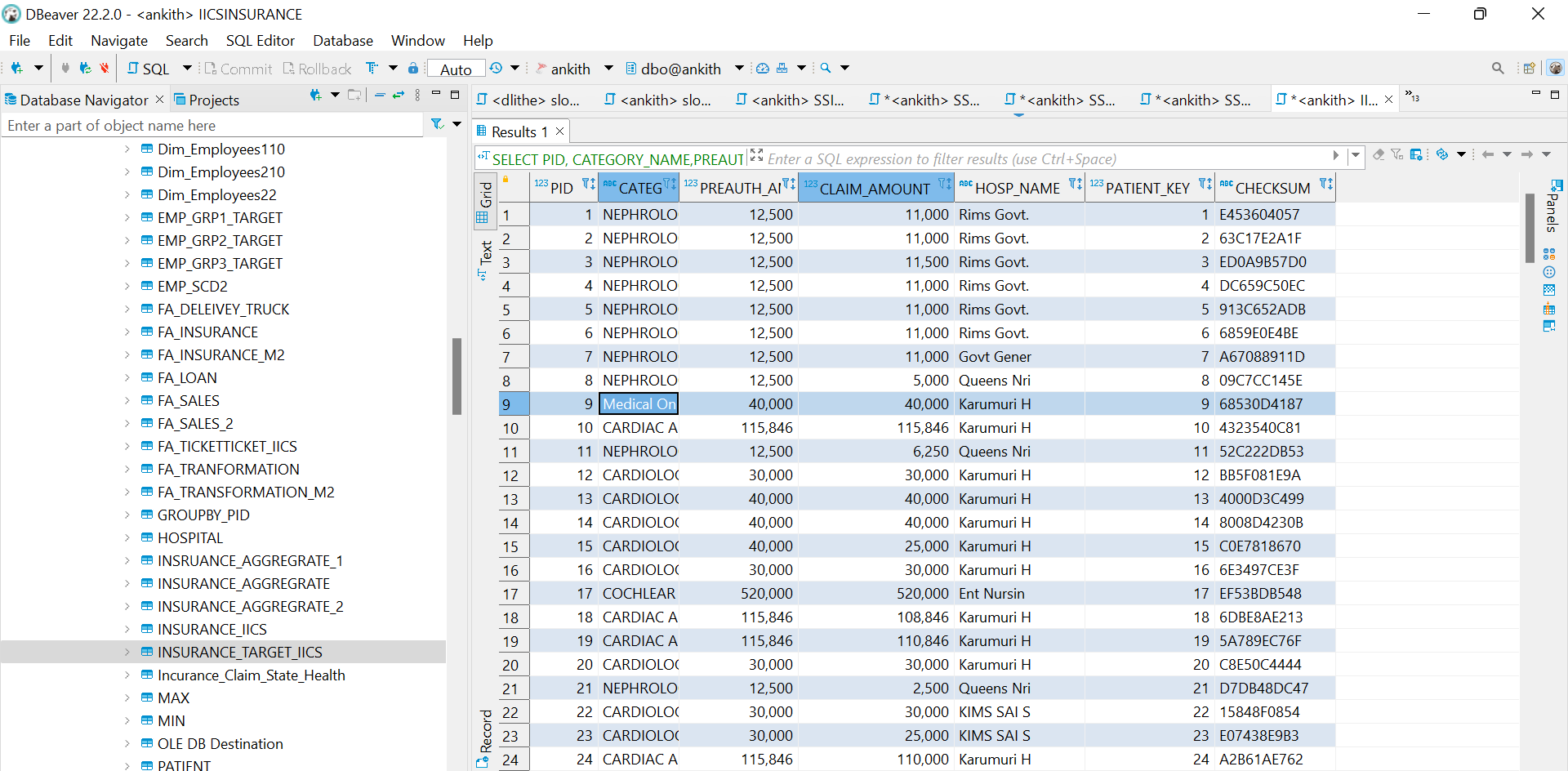
---IICS SCD Transform---



---output of updated value on **Insurance destination table---**

**SELECT** PID, CATEGORY\_NAME,PREAUTH\_AMT,CLAIM\_AMOUNT,

HOSP\_NAME, PATIENT\_KEY,CHECKSUM **FROM** ANKITH\_FINALASSIGNMENT\_IICSINSURANCETarget ;



**---IICS SCD2 Transformation---**

---Insurance source table---

**CREATE** **TABLE** INSURANCE\_IICS(

[PID] **float**,

[AGE] **float**,

[CATEGORY\_NAME] **varchar**(255),

[DISTRICT\_NAME] **varchar**(255),

[PREAUTH\_AMT] **float**,

[CLAIM\_AMOUNT] **float**,

[HOSP\_NAME] **varchar**(255),

)

---create SCD2 Insurance Destination Table---

**create** **table** ANKITH\_FINALASSIGNMENT\_SCD2TargetInsurance

(

[PID] **float**,

[AGE] **float**,

[CATEGORY\_NAME] **varchar**(255),

[DISTRICT\_NAME] **varchar**(255),

[PREAUTH\_AMT] **float**,

[CLAIM\_AMOUNT] **float**,

[HOSP\_NAME] **varchar**(255),

[PATIENT\_KEY] **Float**,

[START\_DATE] **datetime**,

[END\_DATE] **datetime**,

[CHECKSUM] **varchar**(255)

)

---IICS Steps---

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

**---SCD2 Output---**

Graphical user interface, application, table

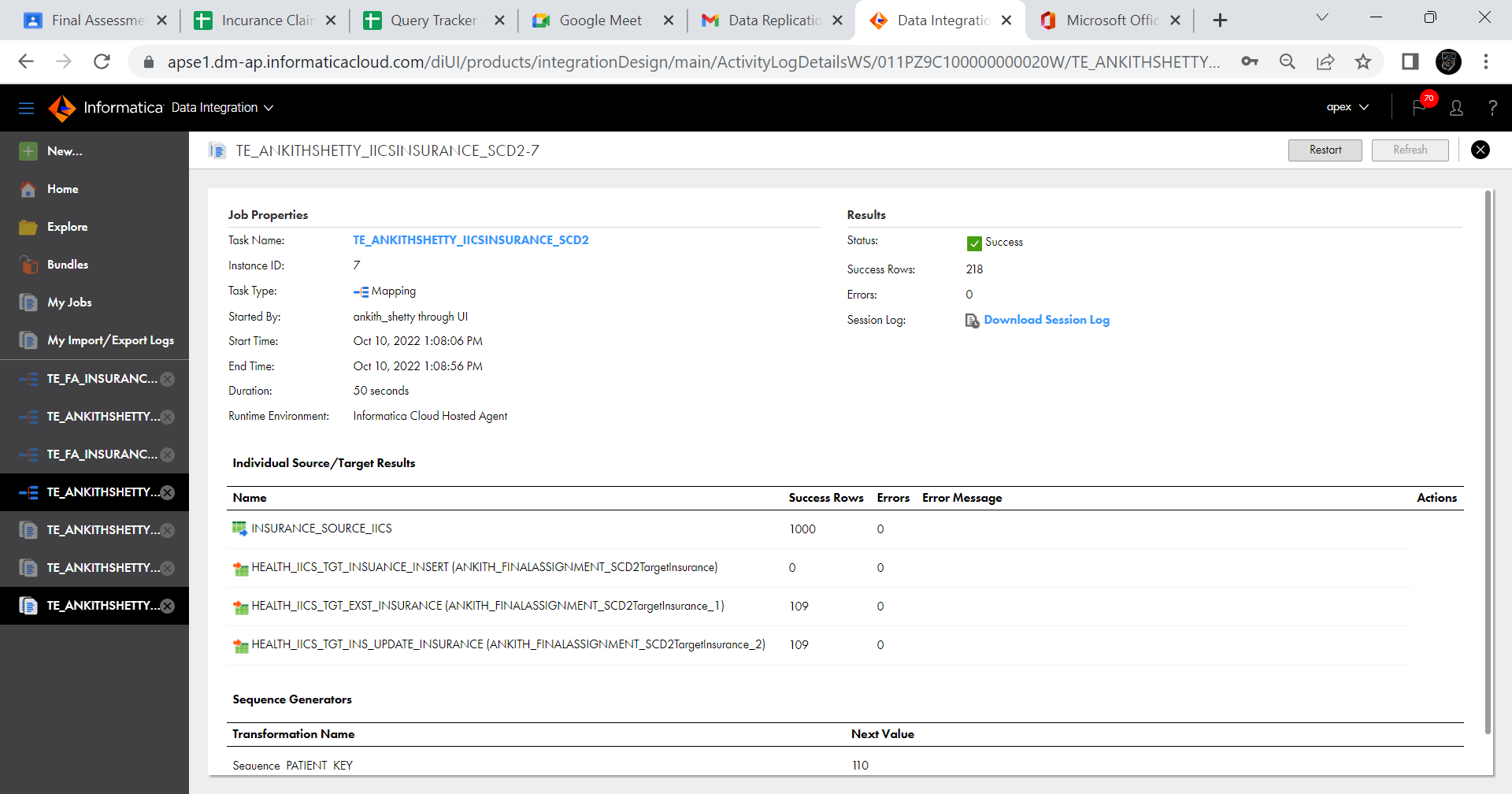
Description automatically generated

---update Insurance source table---

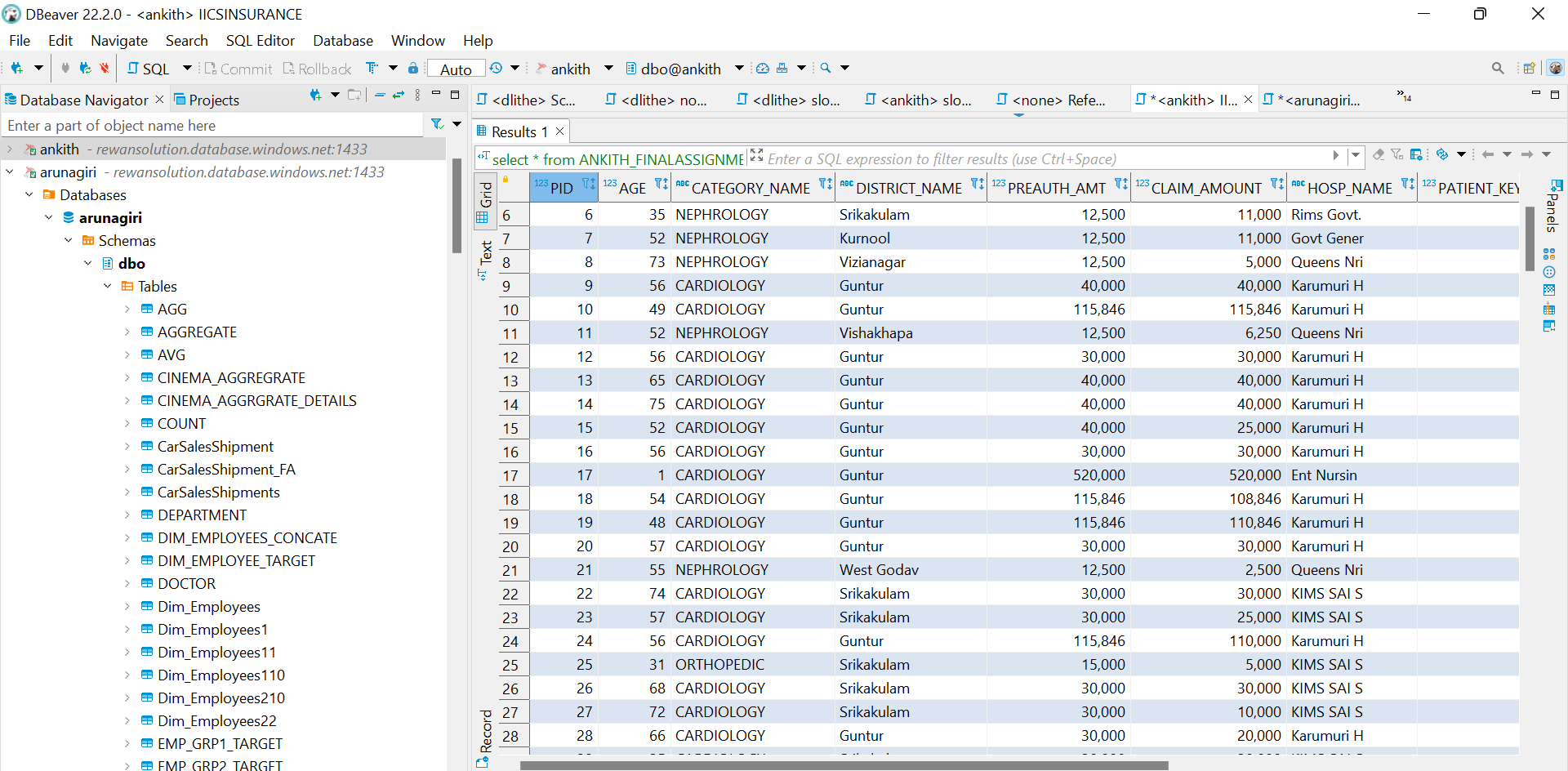
**UPDATE** INSURANCE\_IICS

**SET** CATEGORY\_NAME='CARDIOLOGY' **WHERE** DISTRICT\_NAME='GUNTUR';

**---IICS SCD2 Transform---**



**---Updated value output in Insurance destination---**



**---AGGREGATE Function---**

**---Source table---**

**select** \* **from** insurance\_IICS

---Create Aggregate destination table---

**create** **table** Insurance Aggregate

(

Max\_Claim\_Amt **float**,

Sum\_Claim\_Amt **float**,

Min\_Claim\_Amt **float**

)

**---IICS Aggregate Transform---**

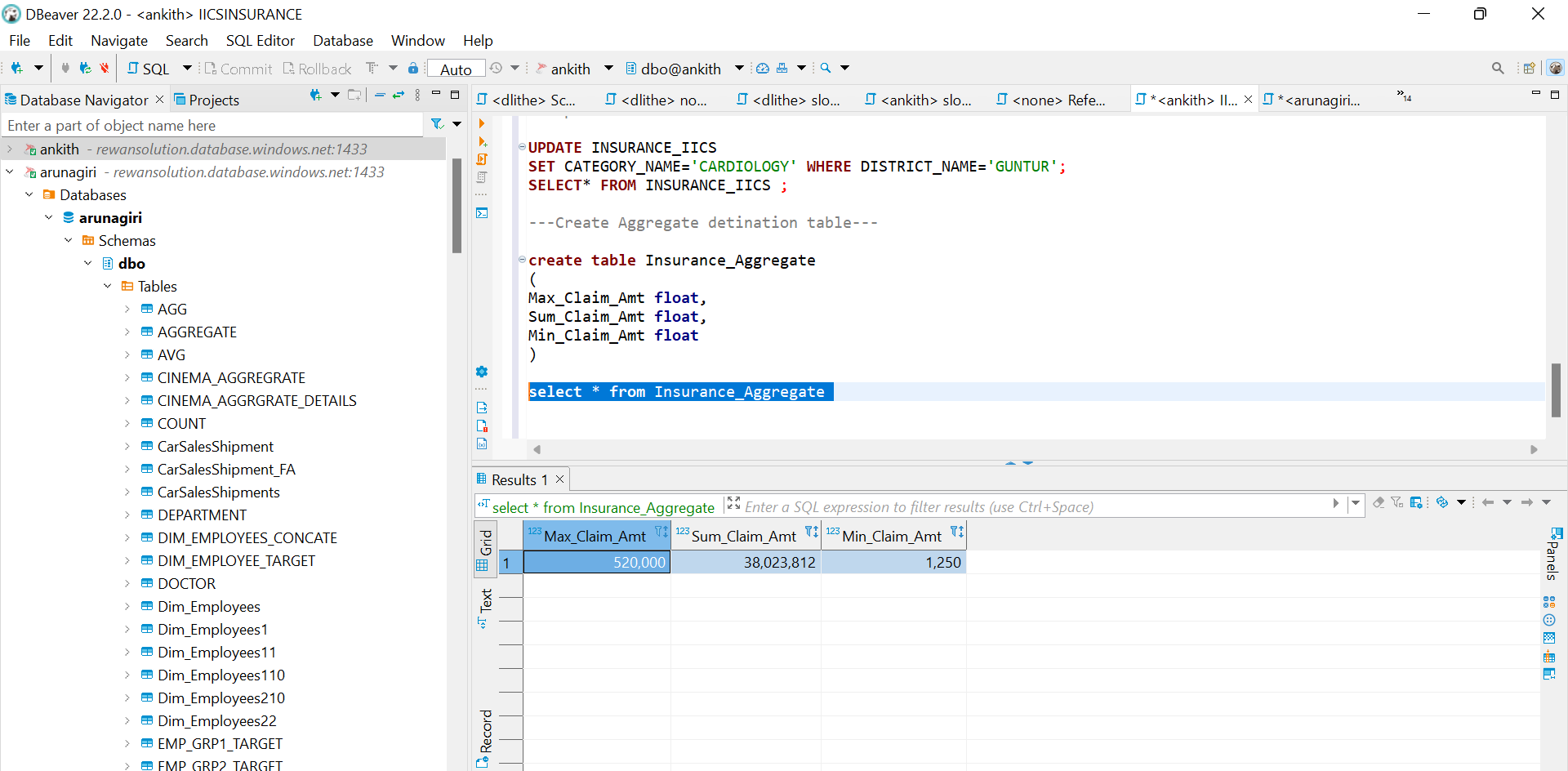
A screenshot of a computer

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated

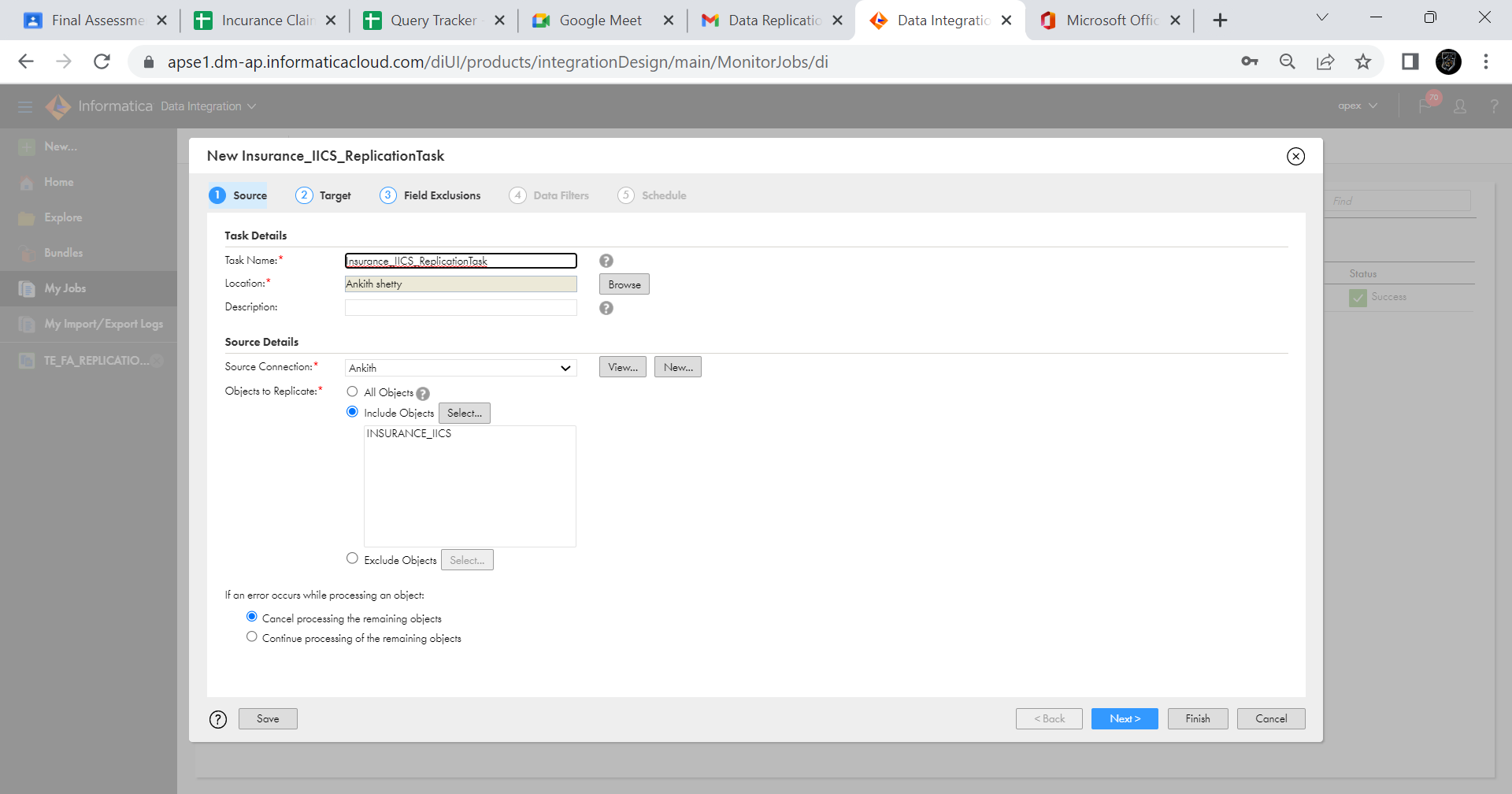
**---AGGREGATE Function Output in Insurance\_aggregate destination---**

**select** \* **from** Insurance\_Aggregate



**------REPLICATION Task Steps for single table-----**

**1.SOURCE CONNECTION**



**2.TARGET CONNECTION**

Graphical user interface, text

Description automatically generated

**3.FIELD EXCLUSION**

Graphical user interface, application, Word

Description automatically generated

**4.DATA FIELDS**

Graphical user interface, text, application

Description automatically generated

**4.SCHEDULE THE TASK**

Graphical user interface, application, email

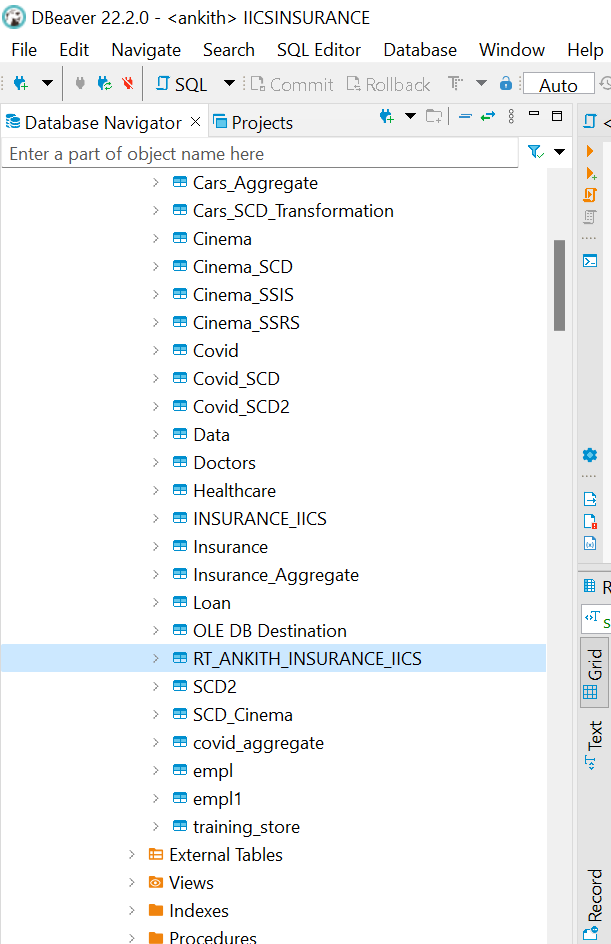
Description automatically generated

**5.OUTPUT OF REPLICATION TASK**

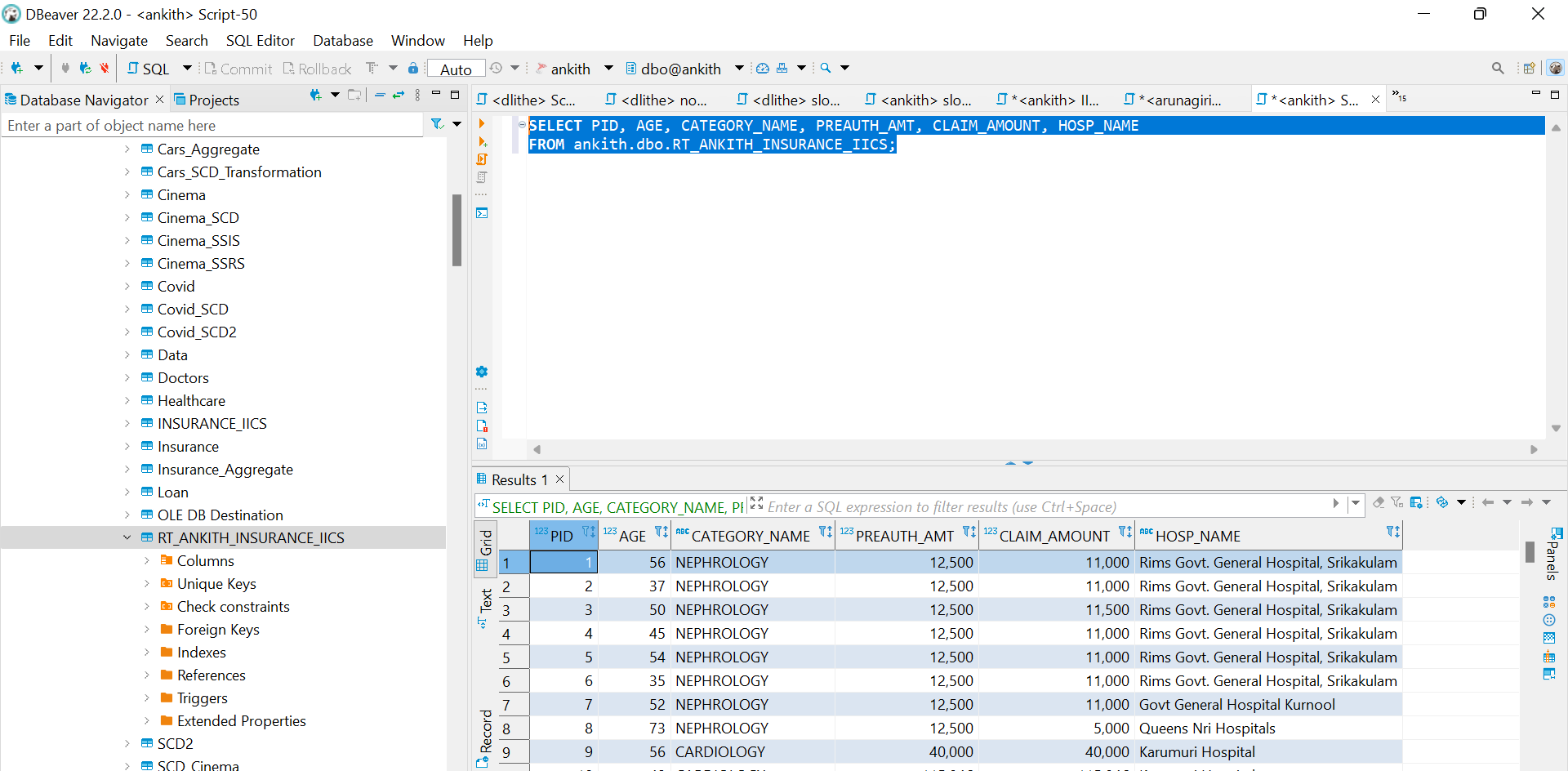
A screenshot of a computer

Description automatically generated

**6. TARGET TABLE UPDATE OUTPUT**

****

**7. TARGET TABLE UPDATED OUTPUT**



**---REPLICATION TASK FOR ENTIRE DB---**

**1.SOURCE CONNECTION**

Graphical user interface, text, email

Description automatically generated

**2.TARGET CONNECTION**

Graphical user interface, text

Description automatically generated

**3.FIELD EXCLUSION**

Graphical user interface, text, application, Word

Description automatically generated

**4.DATA FIELDS**

Graphical user interface, text, application

Description automatically generated

**4.SCHEDULE THE TASK**

Graphical user interface

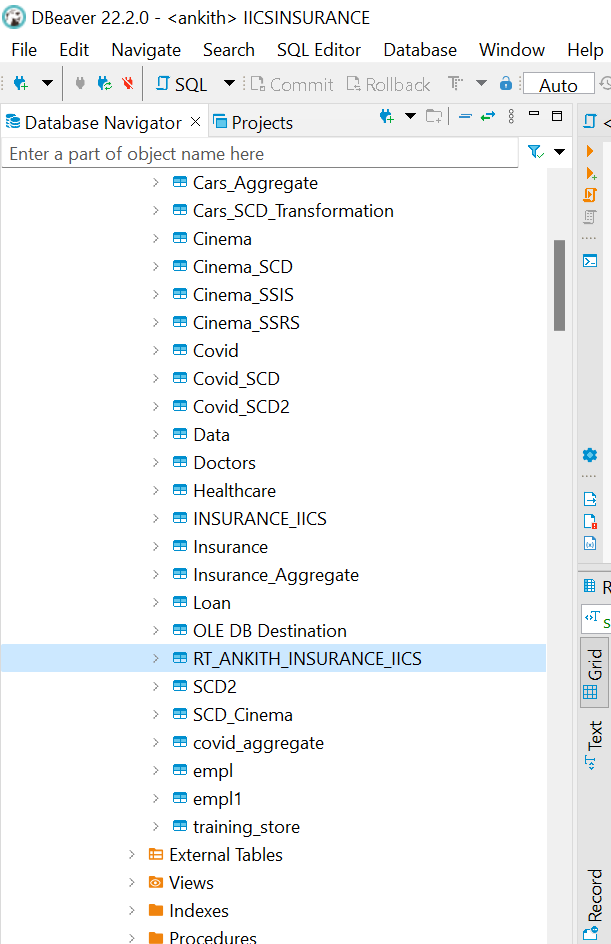
Description automatically generated

**5.OUTPUT OF REPLICATION TASK**

A screenshot of a computer

Description automatically generated

**6. TARGET TABLE UPDATE OUTPUT**

****

---REPLICATION TASK FOR FULLDB---

---IICS Task---

Graphical user interface, text, email

Description automatically generated

---IICS OUTPUT---

Graphical user interface, text, email

Description automatically generated