**IICS**

**--------------------IICS SCD TYPE 1--------------------------------**

**-----------------------SOURCE TABLE--------------------------**

**CREATE** **TABLE** [ANITHA\_IICS\_FA\_HC] (

[PID] **float**,

[AGE] **float**,

[GENDER] **nvarchar**(25),

[CATEGORY\_NAME] **nvarchar**(25),

[DISTRICT\_NAME] **nvarchar**(25),

[PREAUTH\_AMT] **float**,

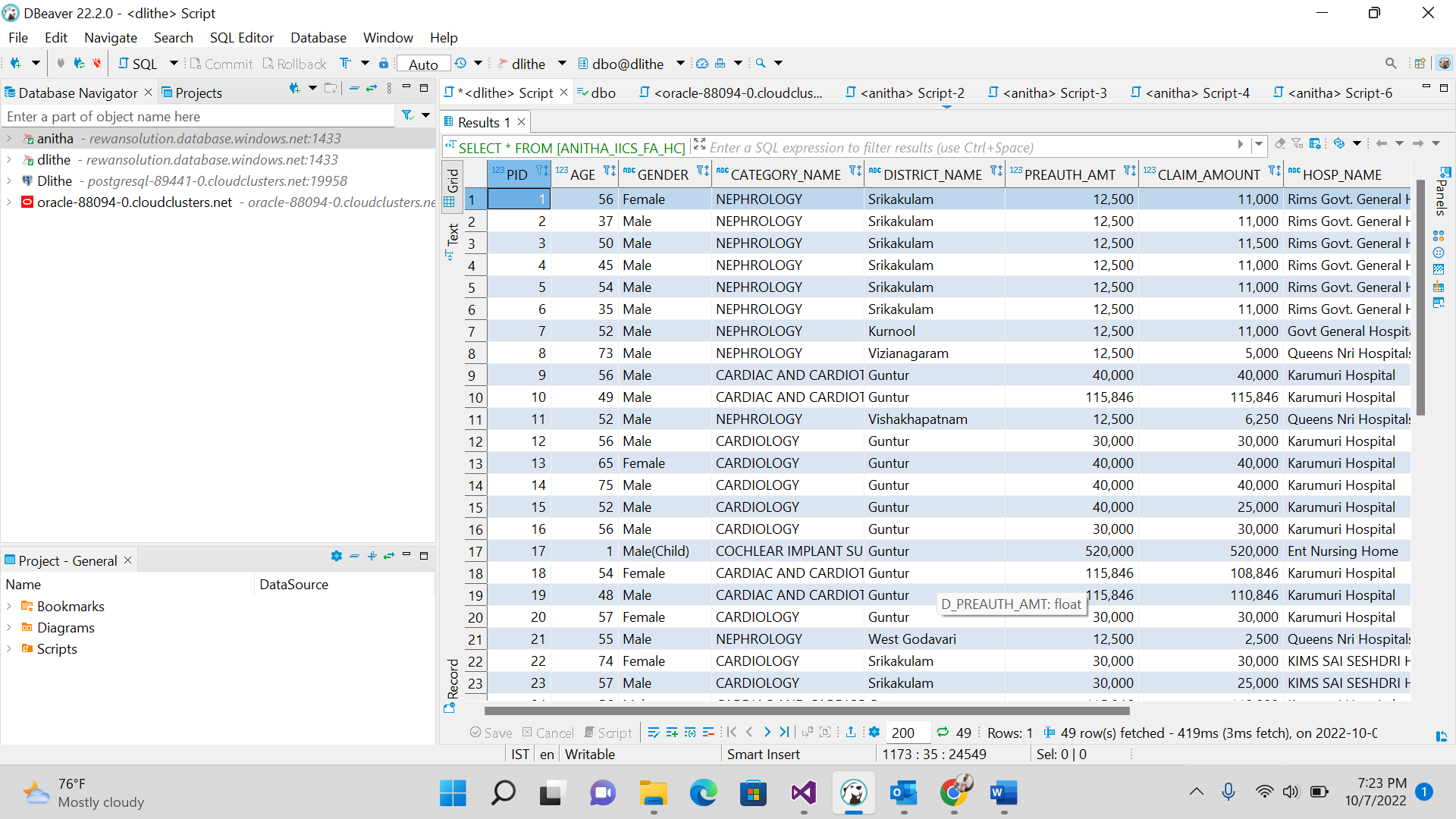
[CLAIM\_AMOUNT] **float**,

[HOSP\_NAME] **nvarchar**(25),

[SURGERY\_DATE] **datetime**,

[DISCHARGE\_DATE] **datetime**

);

**SELECT** \* **FROM** [ANITHA\_IICS\_FA\_HC]

**---------------------------------TARGET TABLE------------------------------**

**CREATE** **TABLE** [ANITHA\_HC\_FA\_IICS\_SCD\_TGT] (

D\_PID **float**,

D\_AGE **float**,

D\_GENDER **nvarchar**(25),

D\_CATEGORY\_NAME **nvarchar**(25),

D\_DISTRICT\_NAME **nvarchar**(25),

D\_PREAUTH\_AMT **float**,

D\_CLAIM\_AMOUNT **float**,

D\_HOSP\_NAME **nvarchar**(25),

D\_SURGERY\_DATE **datetime**,

D\_DISCHARGE\_DATE **datetime**,

D\_PATIENT\_KEY **FLOAT**,

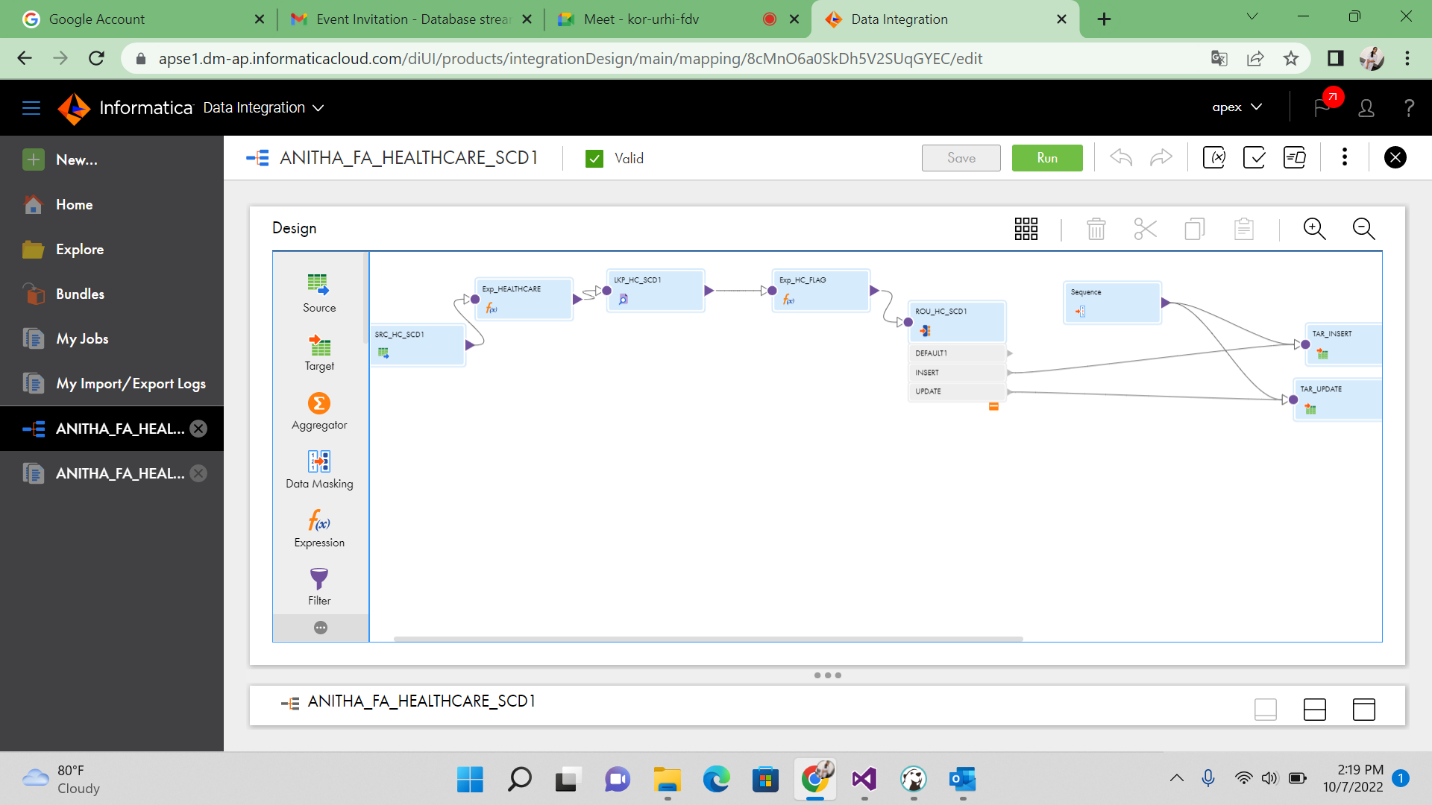
D\_CHECKSUM **VARCHAR**(25)

);

**SELECT** \* **FROM** [ANITHA\_HC\_FA\_IICS\_SCD\_TGT];

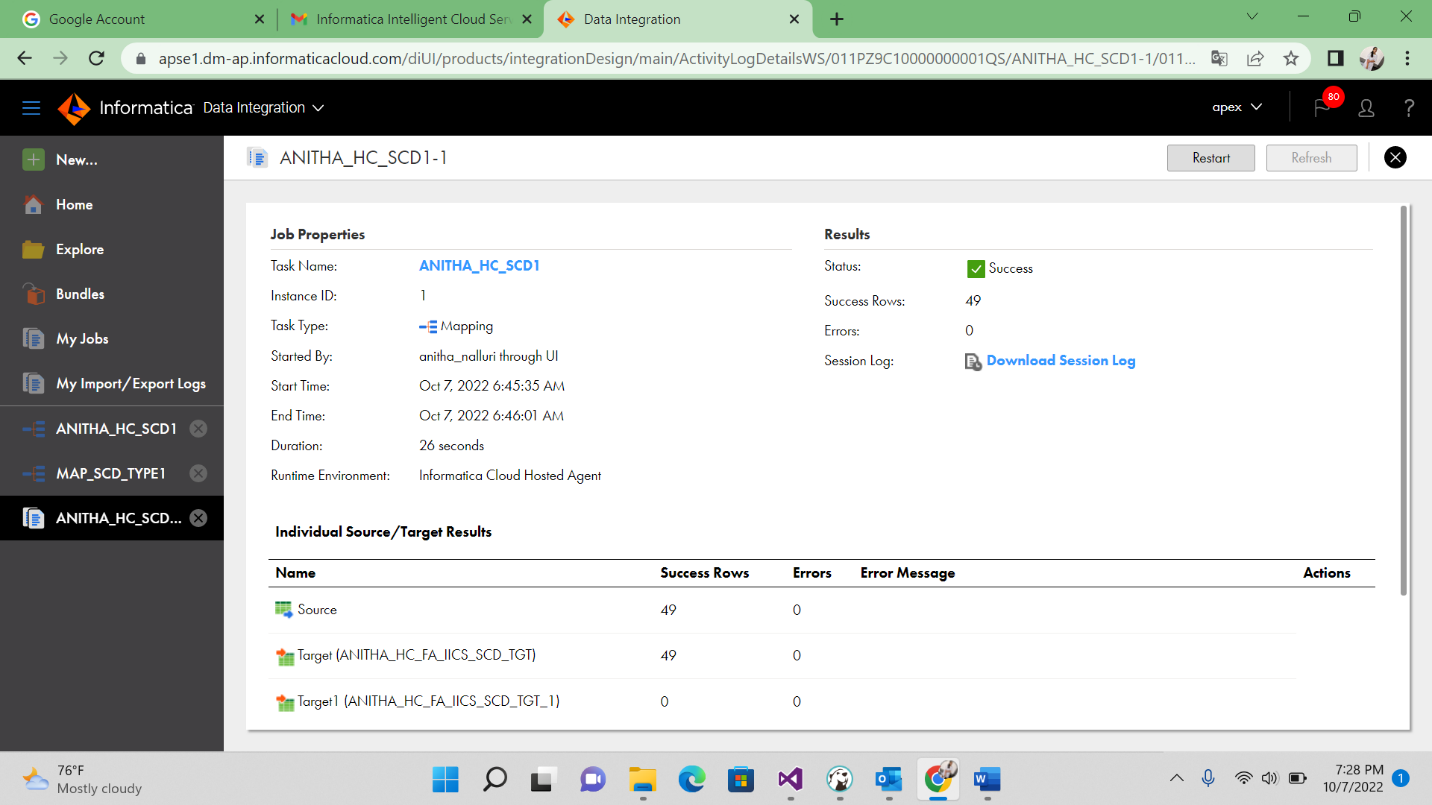
**SELECT** D\_PID, D\_CATEGORY\_NAME,D\_PREAUTH\_AMT,D\_CLAIM\_AMOUNT,

D\_HOSP\_NAME, D\_PATIENT\_KEY,D\_CHECKSUM **FROM** [ANITHA\_HC\_FA\_IICS\_SCD\_TGT];

-------------------------------**IICS STEPS--------------------------**

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**---------------------------SCD1 OUTPUT--------------------------**

Graphical user interface, application, table, Excel

Description automatically generated

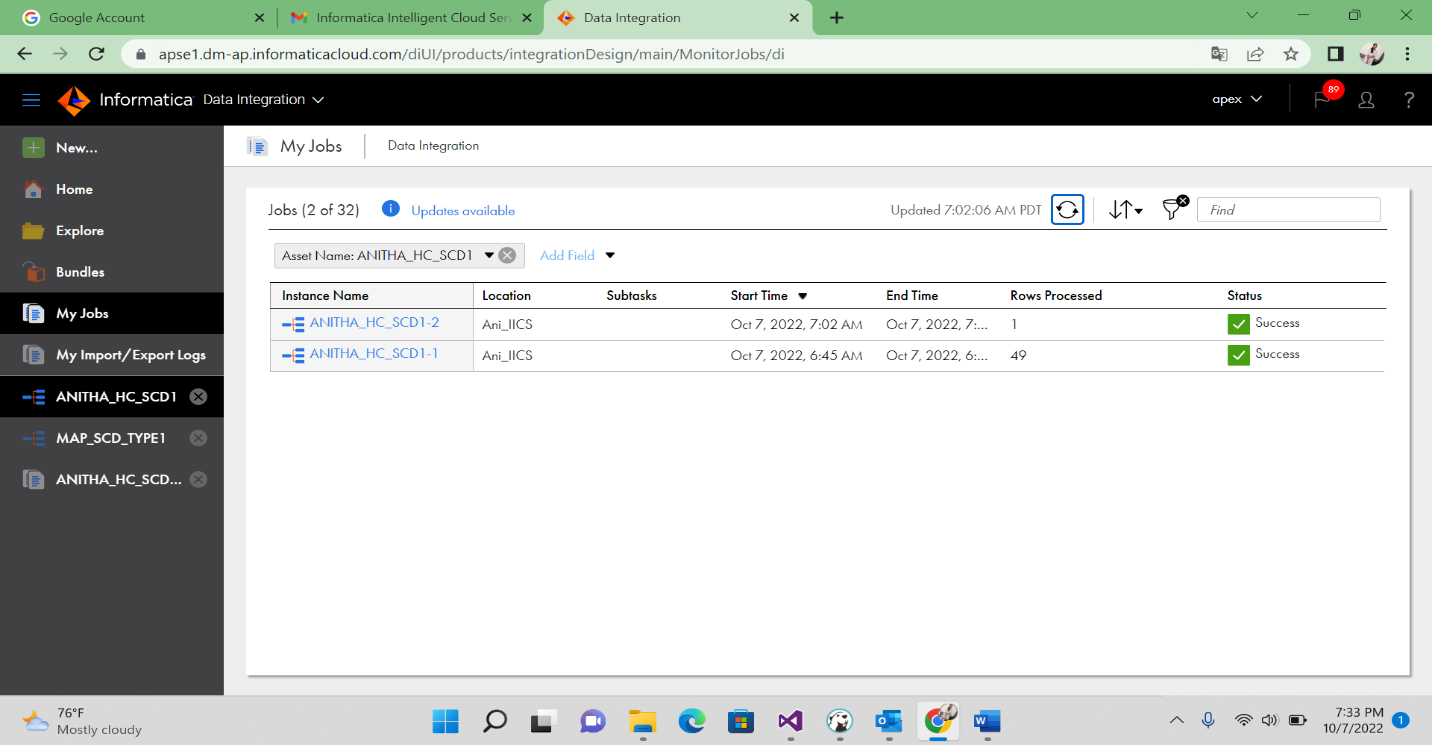
**---------------------------UPDATE IN SCD1-------------------------**

**UPDATE** [ANITHA\_IICS\_FA\_HC]

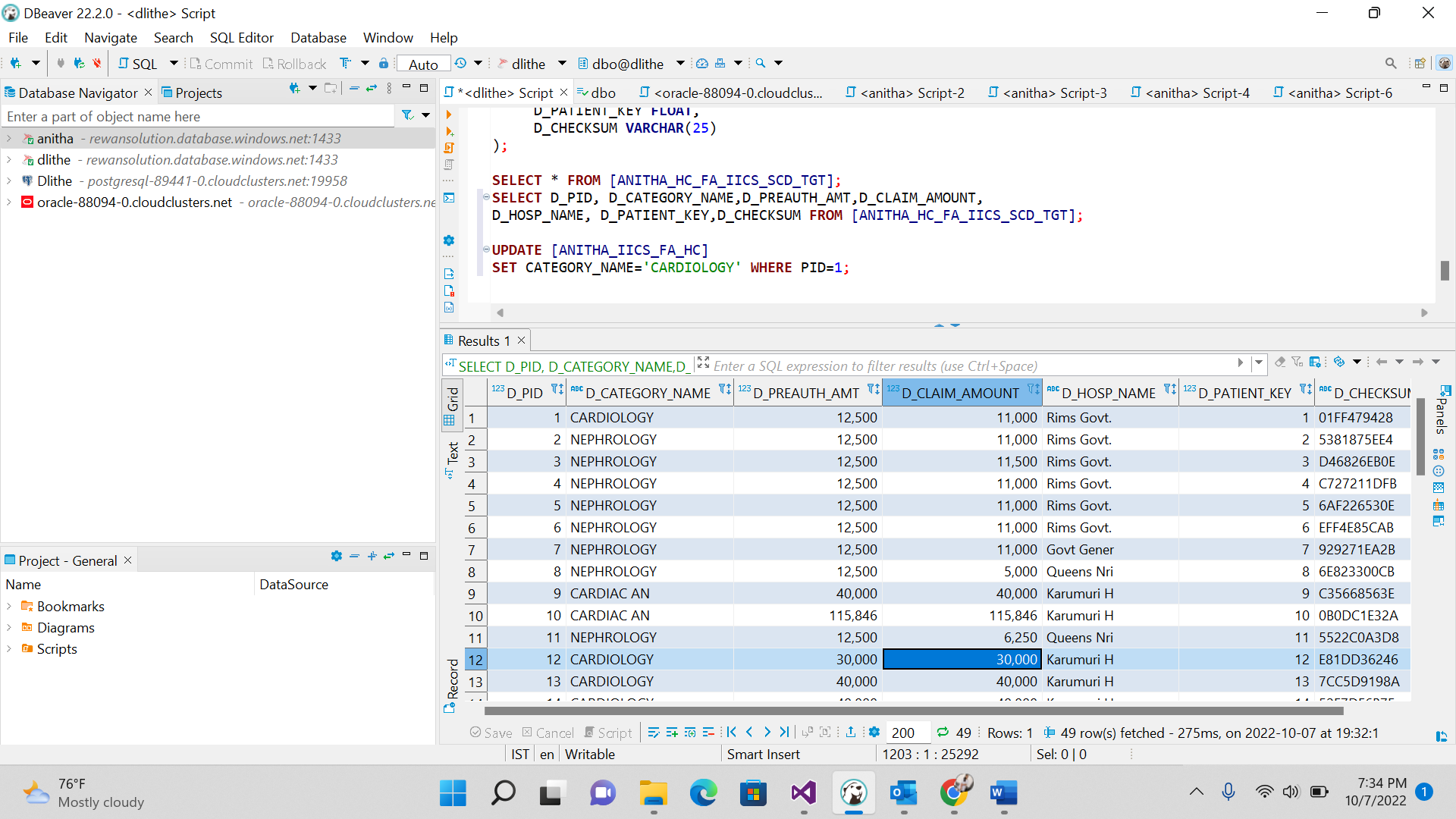
**SET** CATEGORY\_NAME='CARDIOLOGY' **WHERE** PID=1;

**SELECT** D\_PID, D\_CATEGORY\_NAME,D\_PREAUTH\_AMT,D\_CLAIM\_AMOUNT,

D\_HOSP\_NAME, D\_PATIENT\_KEY,D\_CHECKSUM **FROM** [ANITHA\_HC\_FA\_IICS\_SCD\_TGT];



**-----------------------------OUTPUT OF THE UPDATED VALUE----------------**

****

**----------------------------------------IICS SCD TYPE 2---------------------------**

**---------------------------SOURCE TABLE----------------------------**

**CREATE** **TABLE** [ANITHA\_IICS\_FA\_HC] (

[PID] **float**,

[AGE] **float**,

[GENDER] **nvarchar**(25),

[CATEGORY\_NAME] **nvarchar**(25),

[DISTRICT\_NAME] **nvarchar**(25),

[PREAUTH\_AMT] **float**,

[CLAIM\_AMOUNT] **float**,

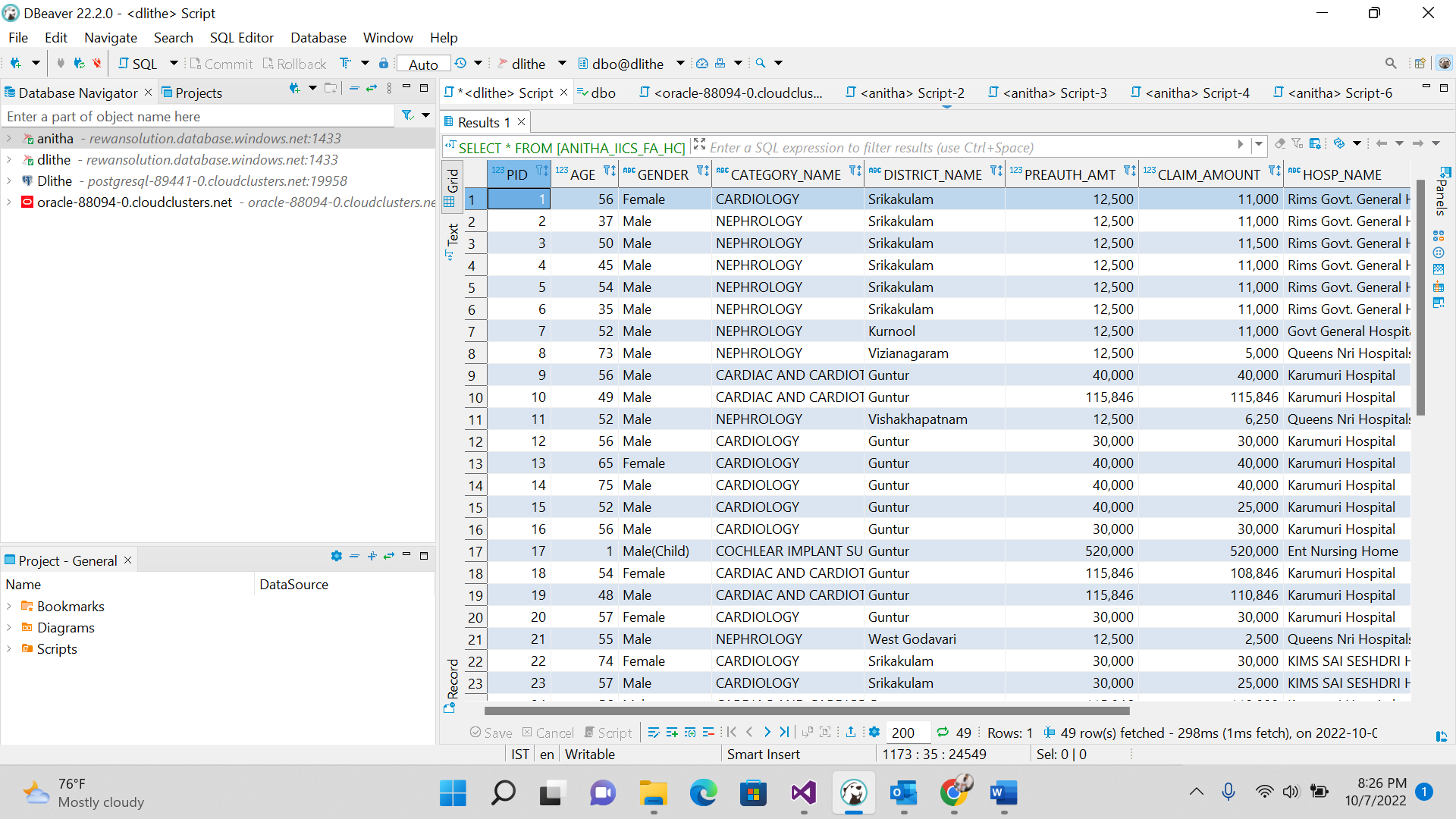
[HOSP\_NAME] **nvarchar**(25),

[SURGERY\_DATE] **datetime**,

[DISCHARGE\_DATE] **datetime**

);

**SELECT** \* **FROM** [ANITHA\_IICS\_FA\_HC];



**-----------------------TARGET TABLE------------------------------**

----------------------------------------TARGET TABLE FOR SCD2-----------------------

**CREATE** **TABLE** [ANITHA\_HC\_FA\_IICS\_SCD2\_TGT] (

D\_PID **float**,

D\_AGE **float**,

D\_GENDER **nvarchar**(25),

D\_CATEGORY\_NAME **nvarchar**(25),

D\_DISTRICT\_NAME **nvarchar**(25),

D\_PREAUTH\_AMT **float**,

D\_CLAIM\_AMOUNT **float**,

D\_HOSP\_NAME **nvarchar**(25),

D\_SURGERY\_DATE **datetime**,

D\_DISCHARGE\_DATE **datetime**,

D\_PATIENT\_KEY **FLOAT**,

D\_CHECKSUM **VARCHAR**(25)

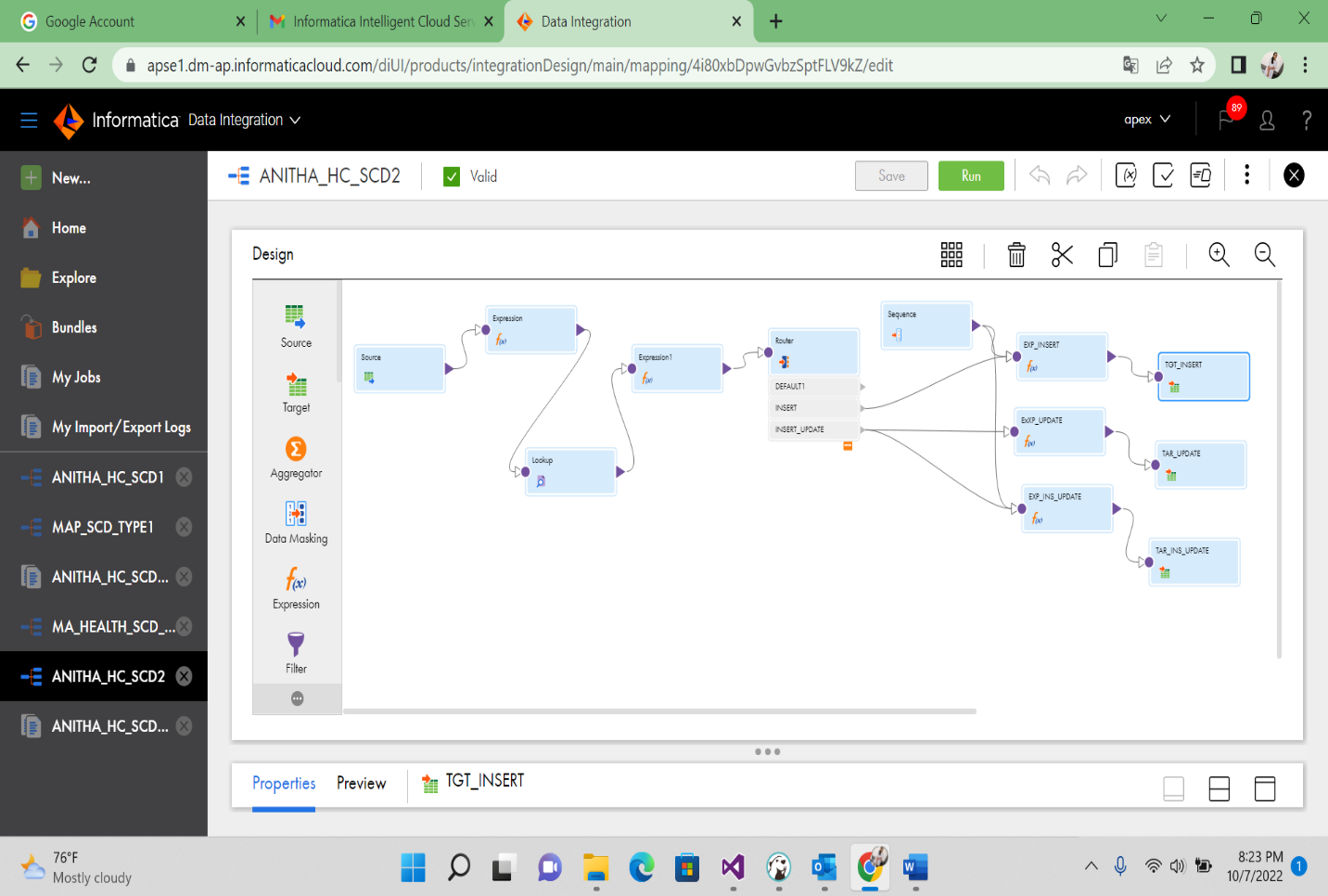
);

**SELECT** \* **FROM** [ANITHA\_HC\_FA\_IICS\_SCD2\_TGT];

**SELECT** D\_PID, D\_CATEGORY\_NAME,D\_PREAUTH\_AMT,D\_CLAIM\_AMOUNT,

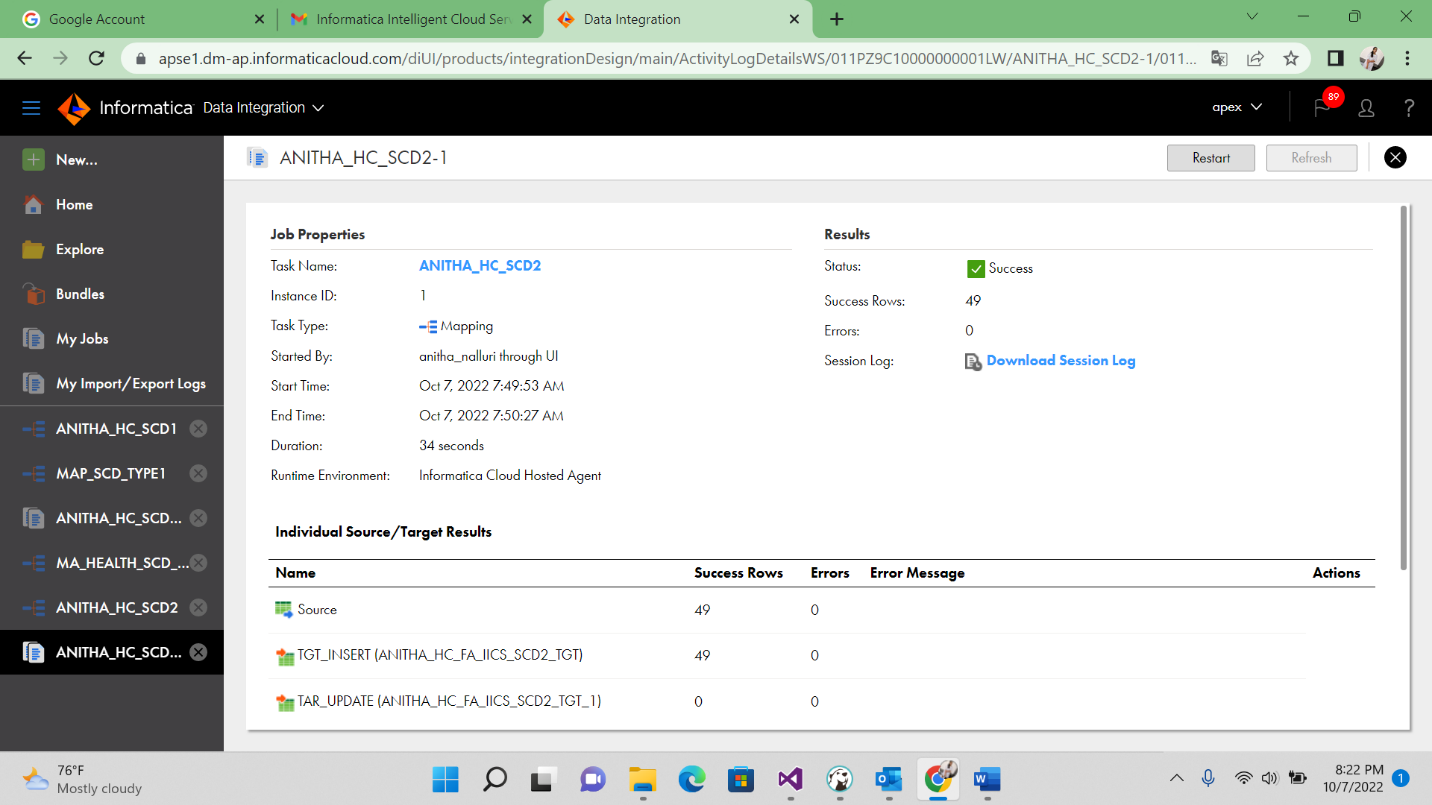
D\_HOSP\_NAME, D\_PATIENT\_KEY,D\_CHECKSUM,D\_SURGERY\_DATE,

D\_DISCHARGE\_DATE **FROM** [ANITHA\_HC\_FA\_IICS\_SCD2\_TGT];

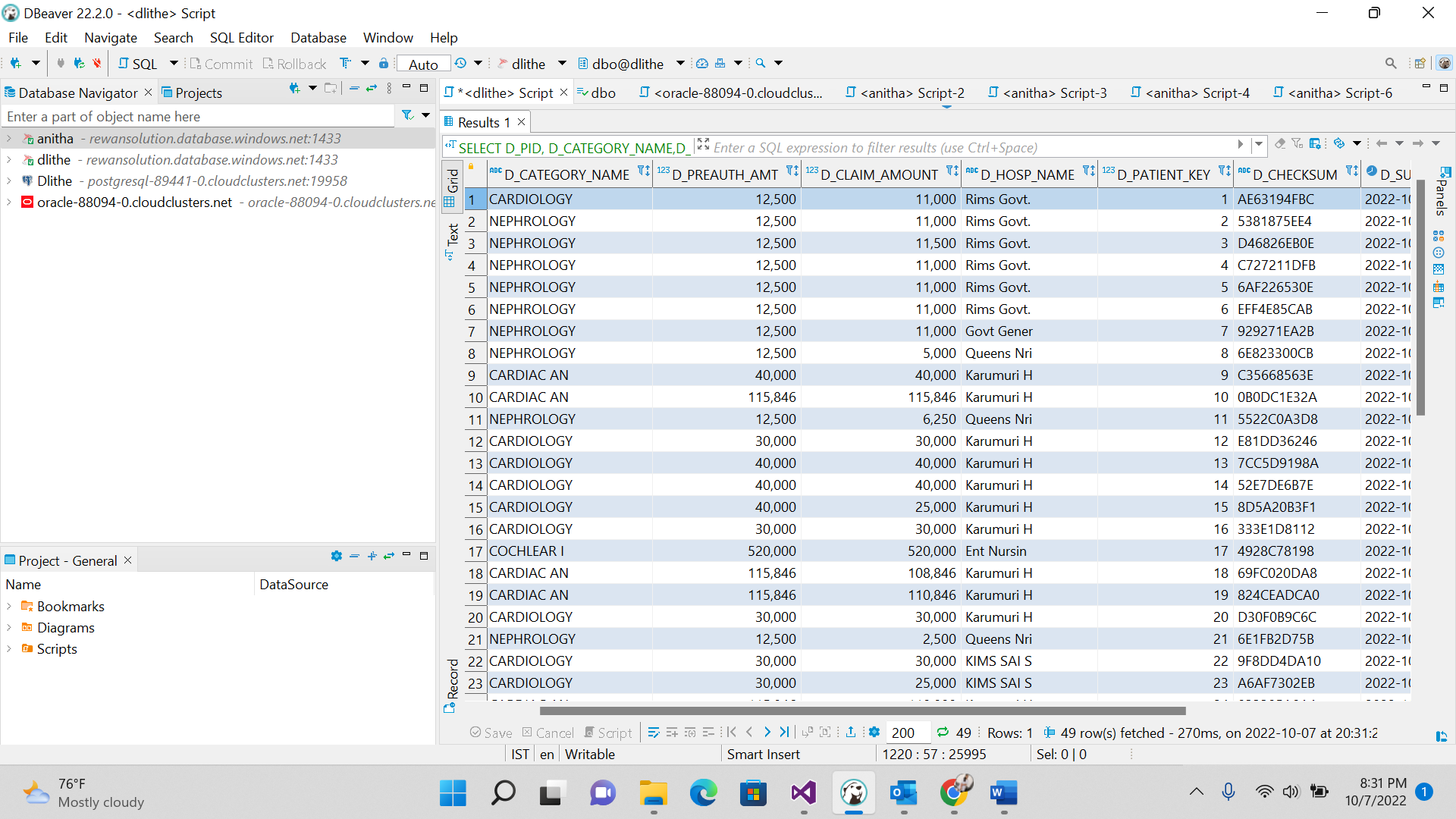
--------------------------**IICS STEPS-----------------------------**

**Graphical user interface, text, application, Word

Description automatically generated**

****

**--------------------------------------------SCD2 OUTPUT-----------------------------**

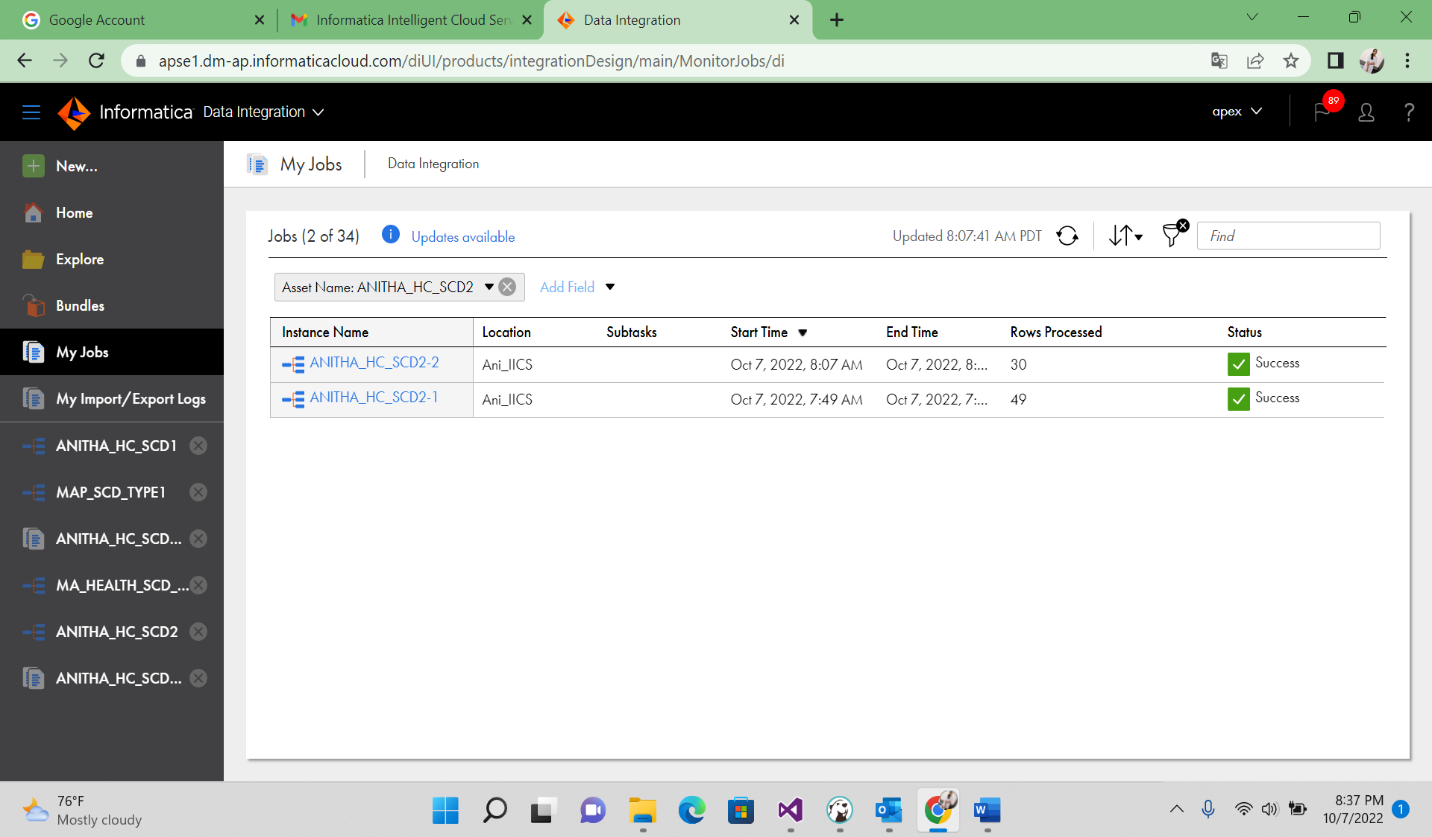
****

**--------------------------------UPDATING THE VALUES-----------------------**

**UPDATE** [ANITHA\_IICS\_FA\_HC]

**SET** CATEGORY\_NAME='DERMATOLOGY' **WHERE** DISTRICT\_NAME='Srikakulam';

**SELECT**\* **FROM** [ANITHA\_IICS\_FA\_HC];

****

**----------------------OUTPUT OF THE UPDATED VALUE-----------------**

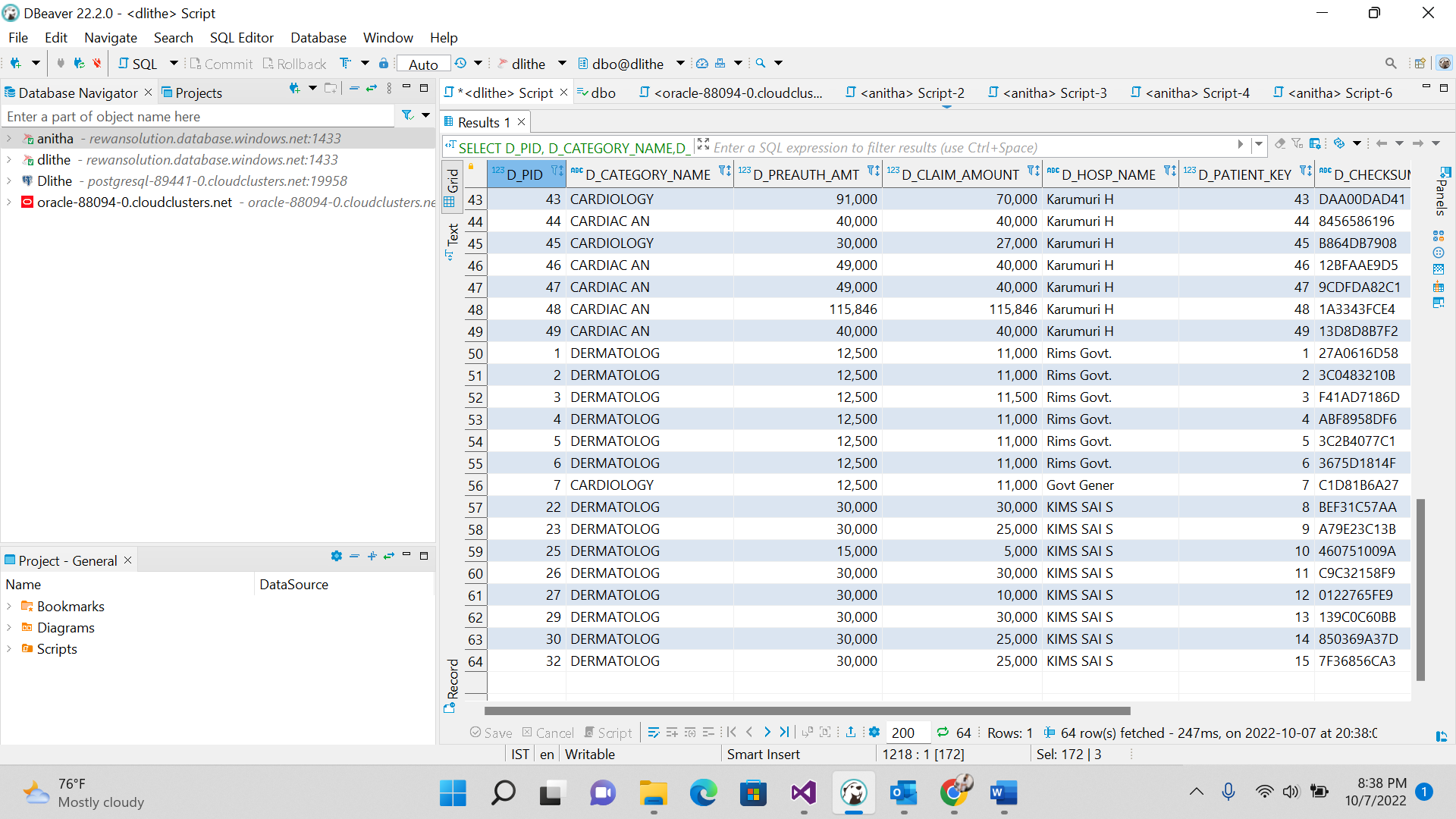
**SELECT** \* **FROM** [ANITHA\_HC\_FA\_IICS\_SCD2\_TGT];

**SELECT** D\_PID, D\_CATEGORY\_NAME,D\_PREAUTH\_AMT,D\_CLAIM\_AMOUNT,

D\_HOSP\_NAME, D\_PATIENT\_KEY,D\_CHECKSUM,D\_SURGERY\_DATE,

D\_DISCHARGE\_DATE **FROM** [ANITHA\_HC\_FA\_IICS\_SCD2\_TGT];

We will get an historical data in SCD Type 2:



----------------------------USING AGGREGATE FUNCTION-----------------------

Source Table will Be the Same which we used for SCD1 and SCD2

**CREATE** **TABLE** [ANITHA\_IICS\_FA\_HC] (

[PID] **float**,

[AGE] **float**,

[GENDER] **nvarchar**(25),

[CATEGORY\_NAME] **nvarchar**(25),

[DISTRICT\_NAME] **nvarchar**(25),

[PREAUTH\_AMT] **float**,

[CLAIM\_AMOUNT] **float**,

[HOSP\_NAME] **nvarchar**(25),

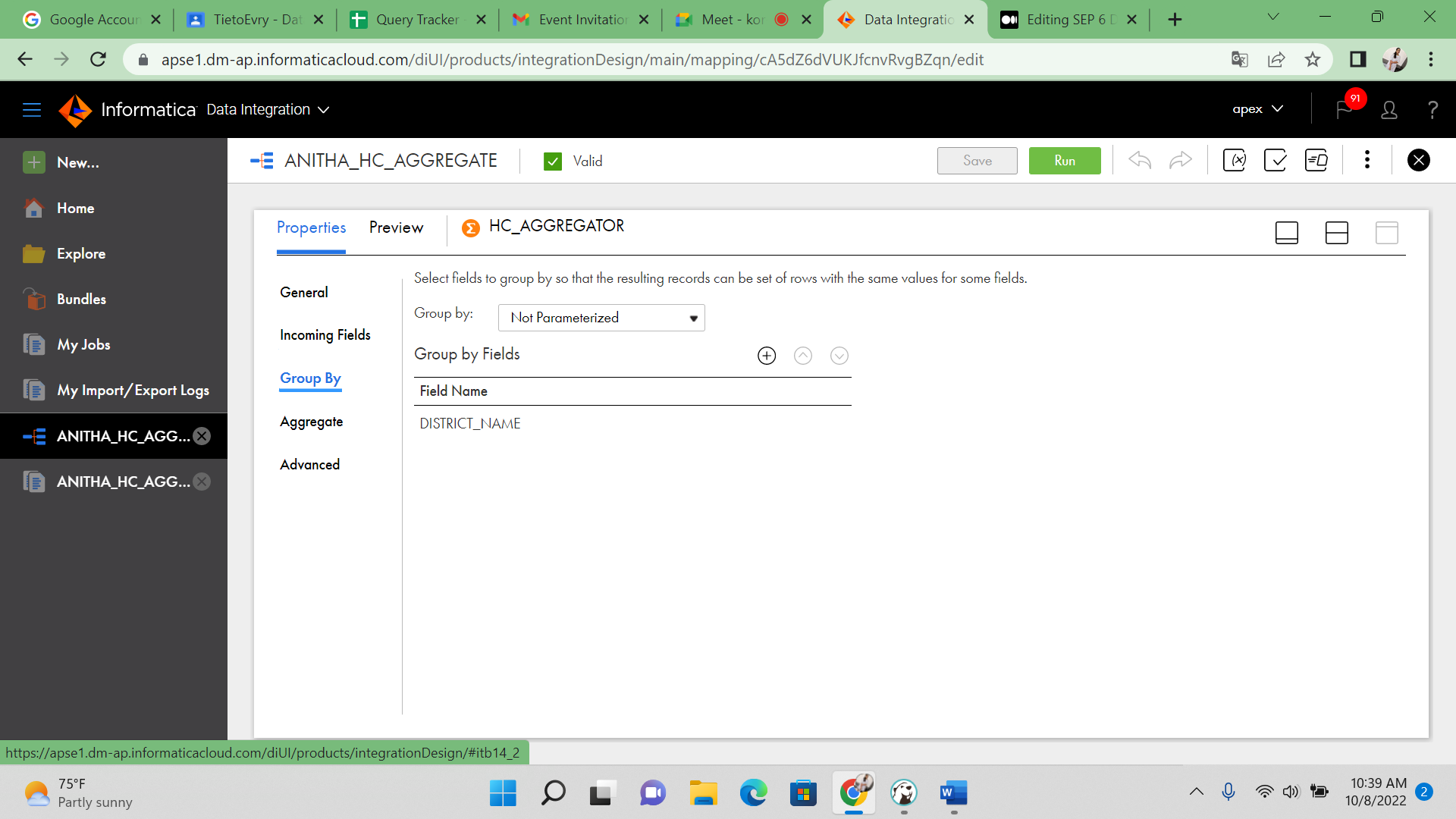
[SURGERY\_DATE] **datetime**,

[DISCHARGE\_DATE] **datetime**

);

**SELECT** \* **FROM** [ANITHA\_IICS\_FA\_HC];

------------------IICS STEPS TO USE AGGREGATE FUNCTION--------------------------



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Description automatically generated

Graphical user interface, text, application

Description automatically generated

--------------------------TARGET TABLE FOR AGGREGATE -------------------------------------

-------------------------------- AGGREGATE FUNCTION -------------------------------

**CREATE** **TABLE** [ANITHA\_IICS\_FA\_HC\_TGT] (

[PID] **float**,

[AGE] **float**,

[GENDER] **nvarchar**(25),

[CATEGORY\_NAME] **nvarchar**(25),

[DISTRICT\_NAME] **nvarchar**(25),

[PREAUTH\_AMT] **float**,

[CLAIM\_AMOUNT] **float**,

[HOSP\_NAME] **nvarchar**(25),

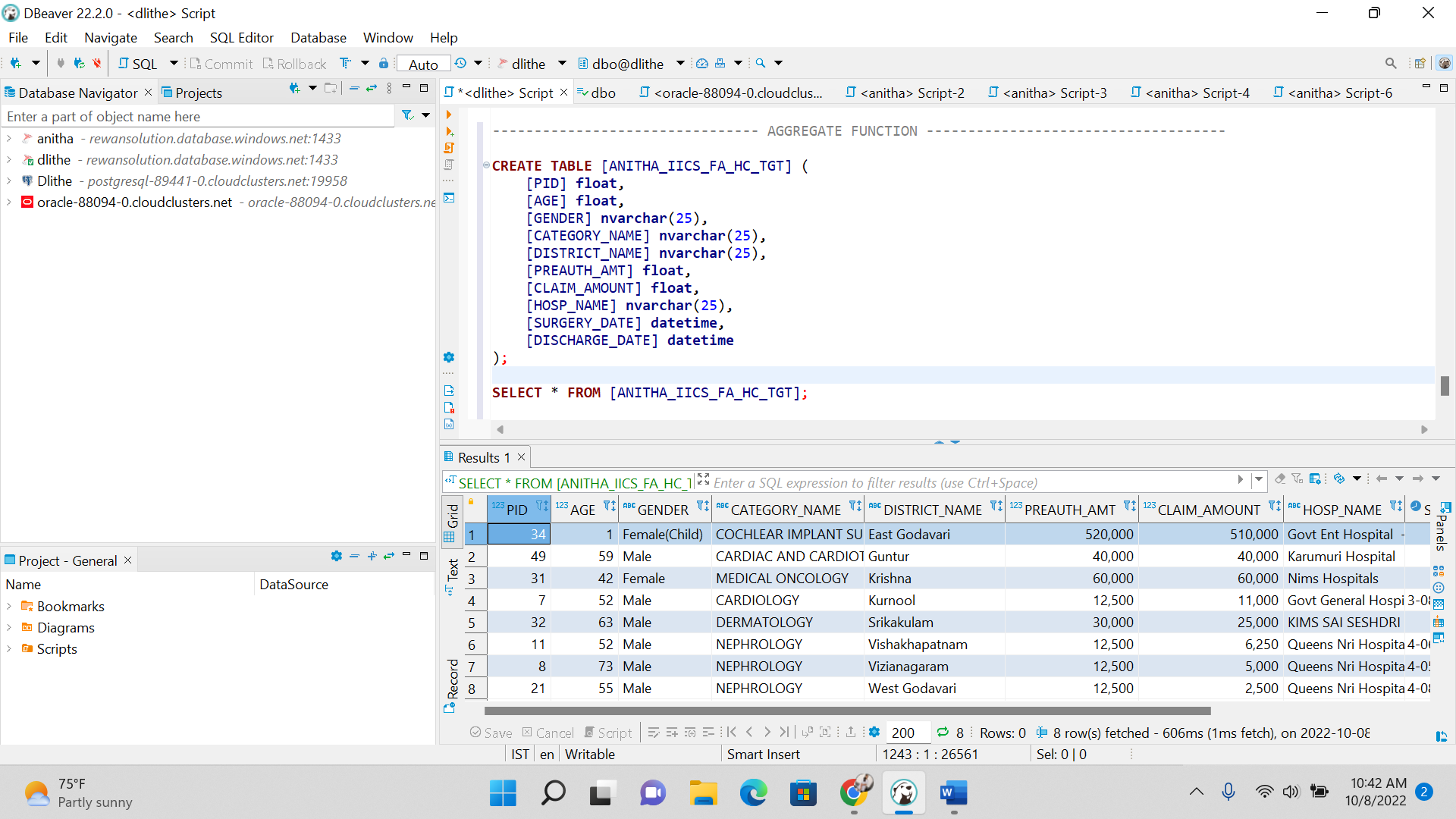
[SURGERY\_DATE] **datetime**,

[DISCHARGE\_DATE] **datetime**

);

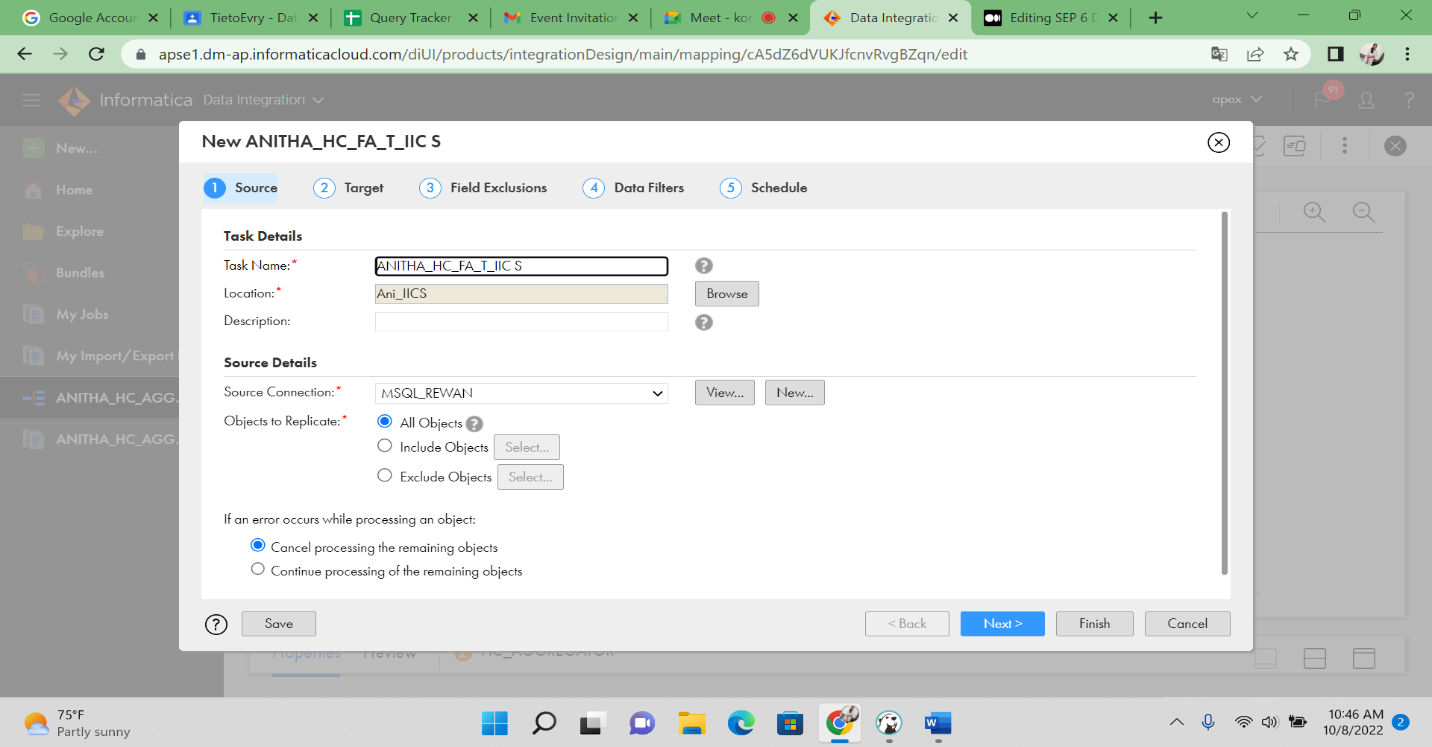
**SELECT** \* **FROM** [ANITHA\_IICS\_FA\_HC\_TGT];

**------------------------OUTPUT OF AAGREGATE FUNCTION---------------------**

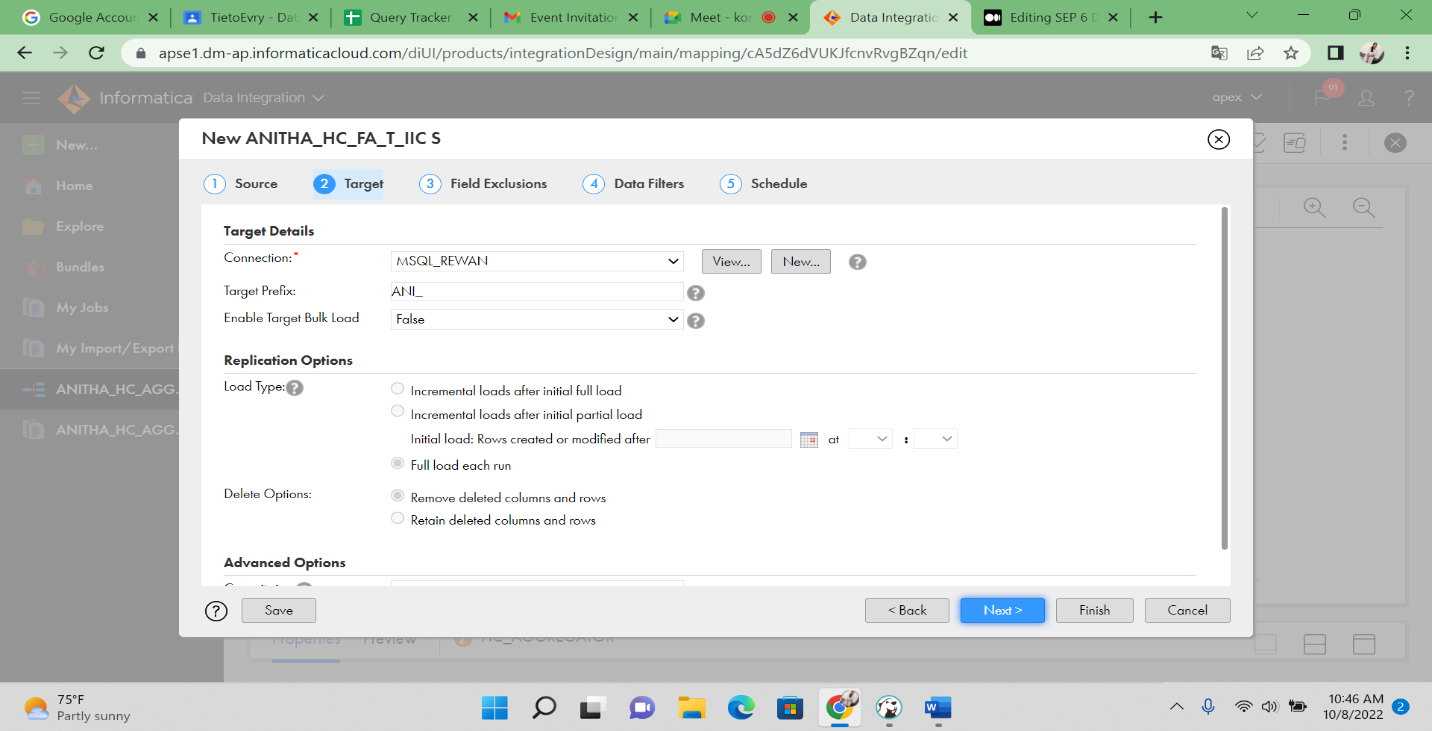
****

**--------------------R EPLICATION TASK STEPS -------------------------------------**

**1.SOURCE CONNECTION**

****

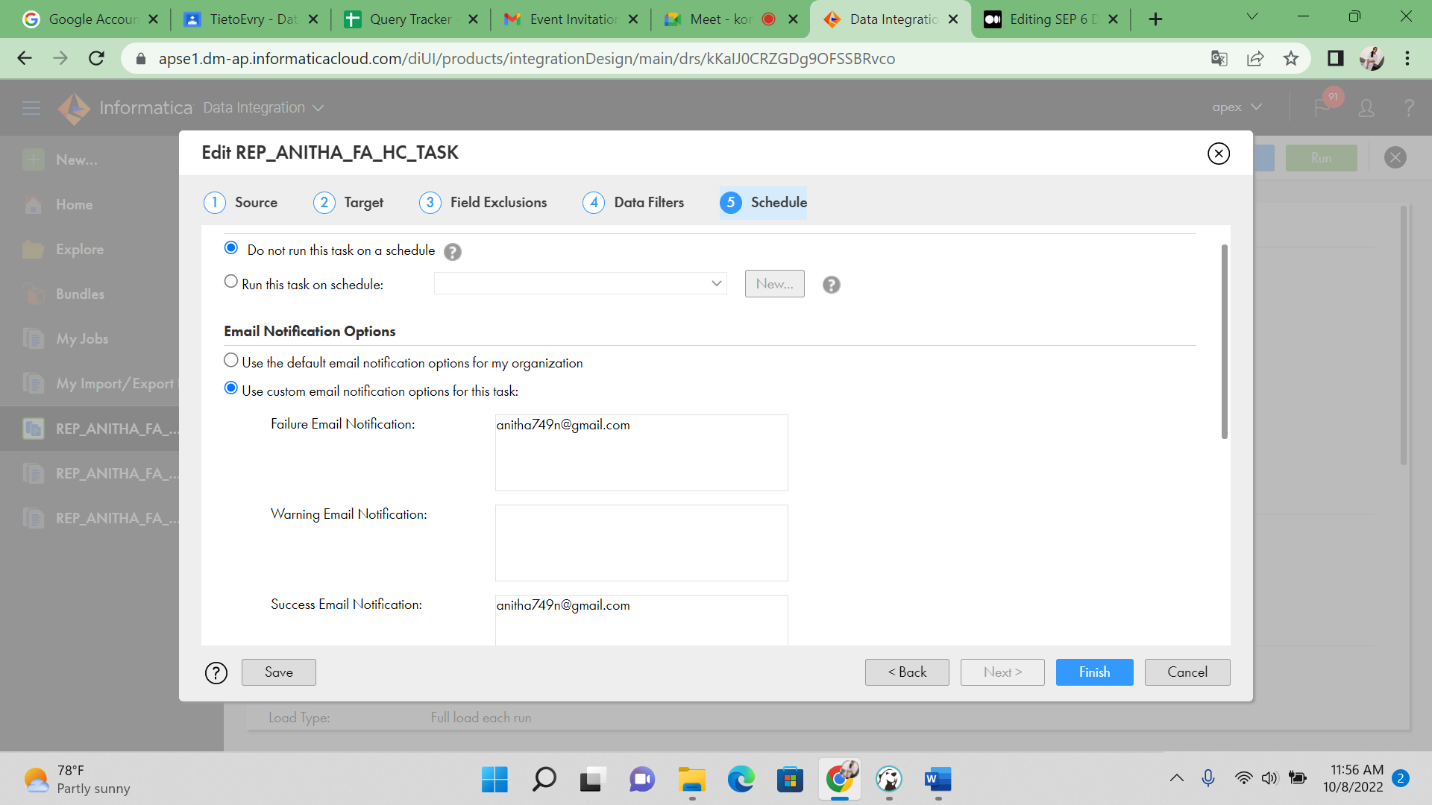
**2.TARGET CONNECTION**

****

**3.DATA FIELDS**

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**4.SCHEDULE THE TASK**

**5.OUTPUT OF REPLICATION TASK**

**Graphical user interface, text

Description automatically generated**