Module 4 – IICS

IICS SCD1

Source Table

**Create table** [TE\_FA\_Hrishikesh\_Health\_IICS] (

[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** [TE\_FA\_Hrishikesh\_Health\_IICS]

A screenshot of a computer

Description automatically generated with medium confidence

**Target Table**

**CREATE** **TABLE** [TE\_FA\_Hrishikesh\_Health\_IICS\_Target] (

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**,

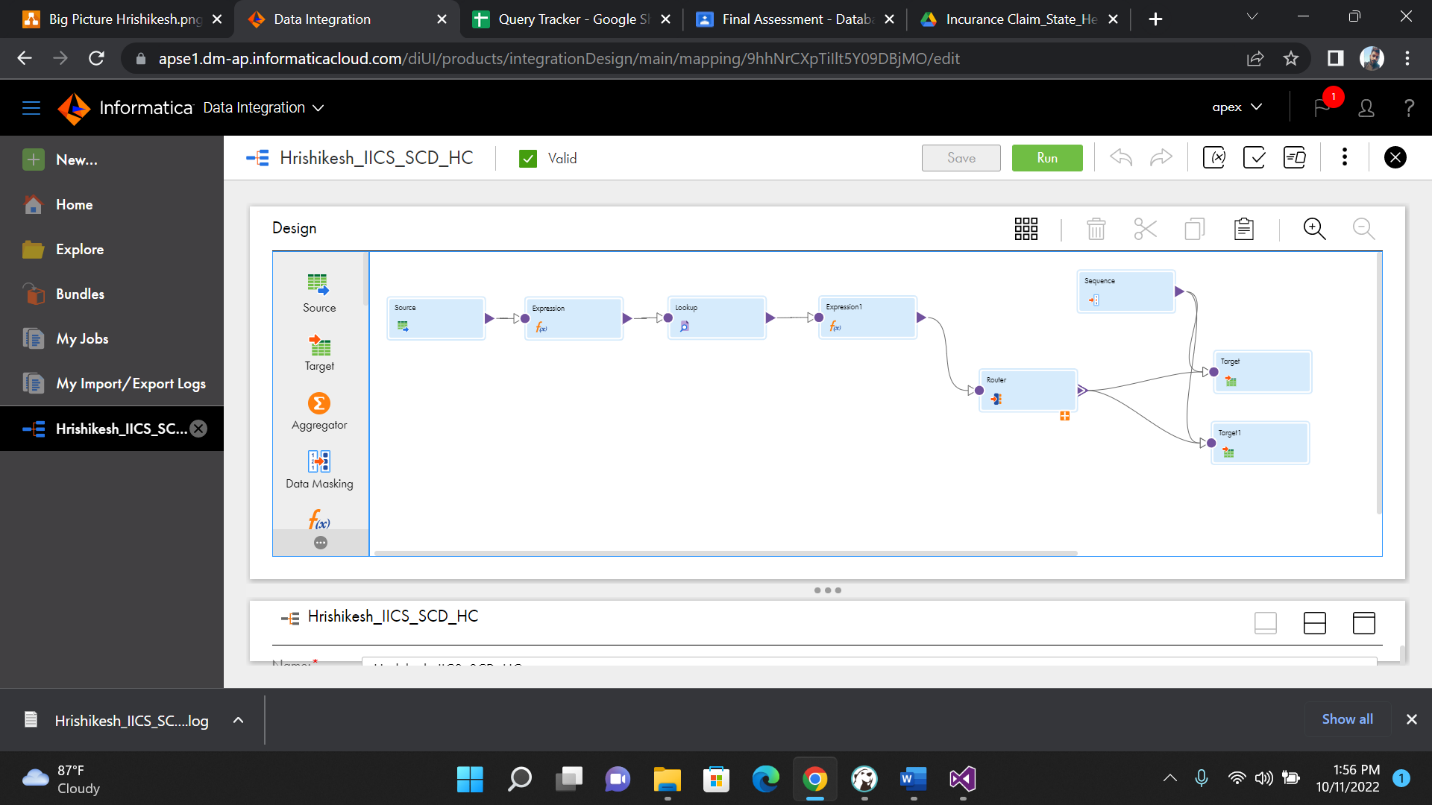
D\_CHECKSUM **VARCHAR**(25)

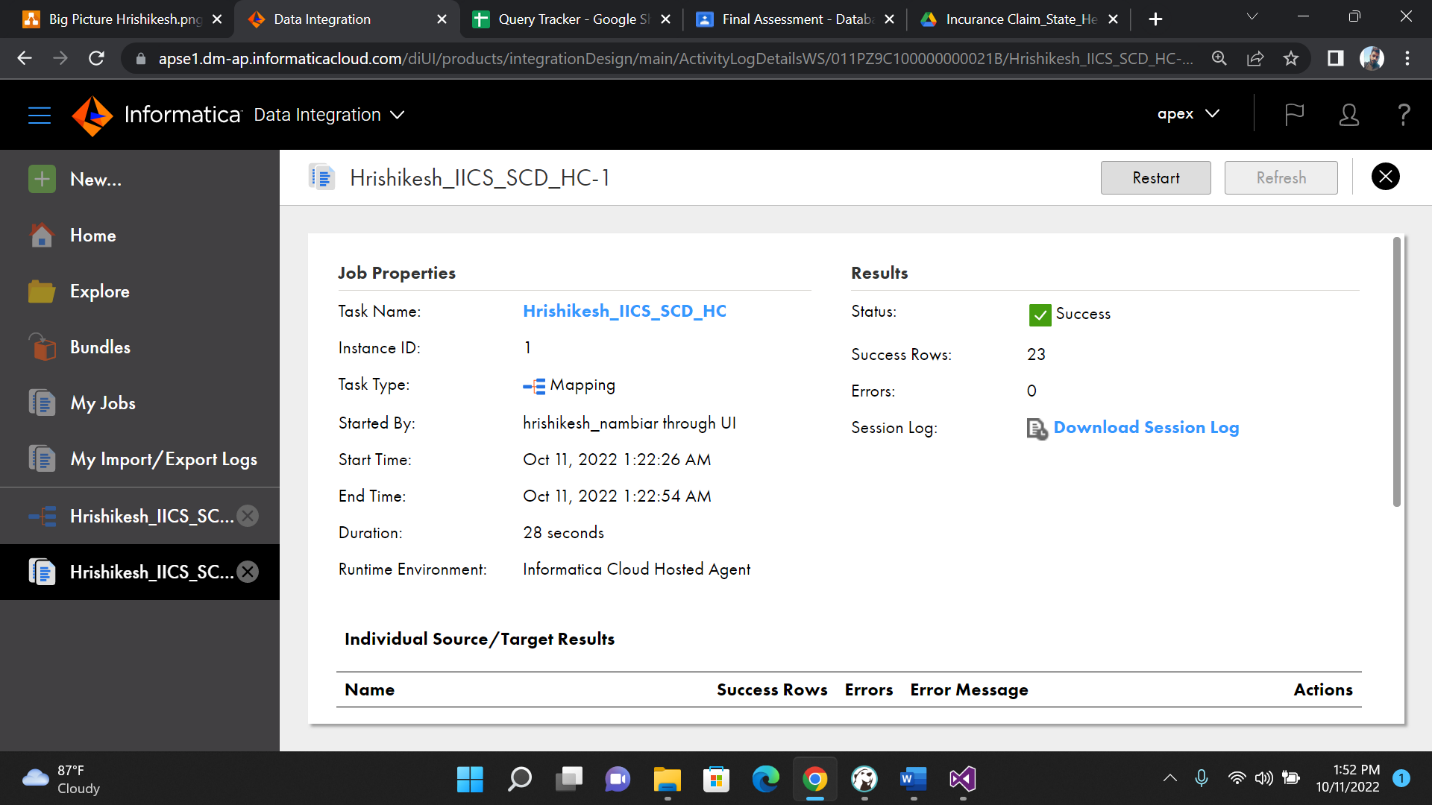
);

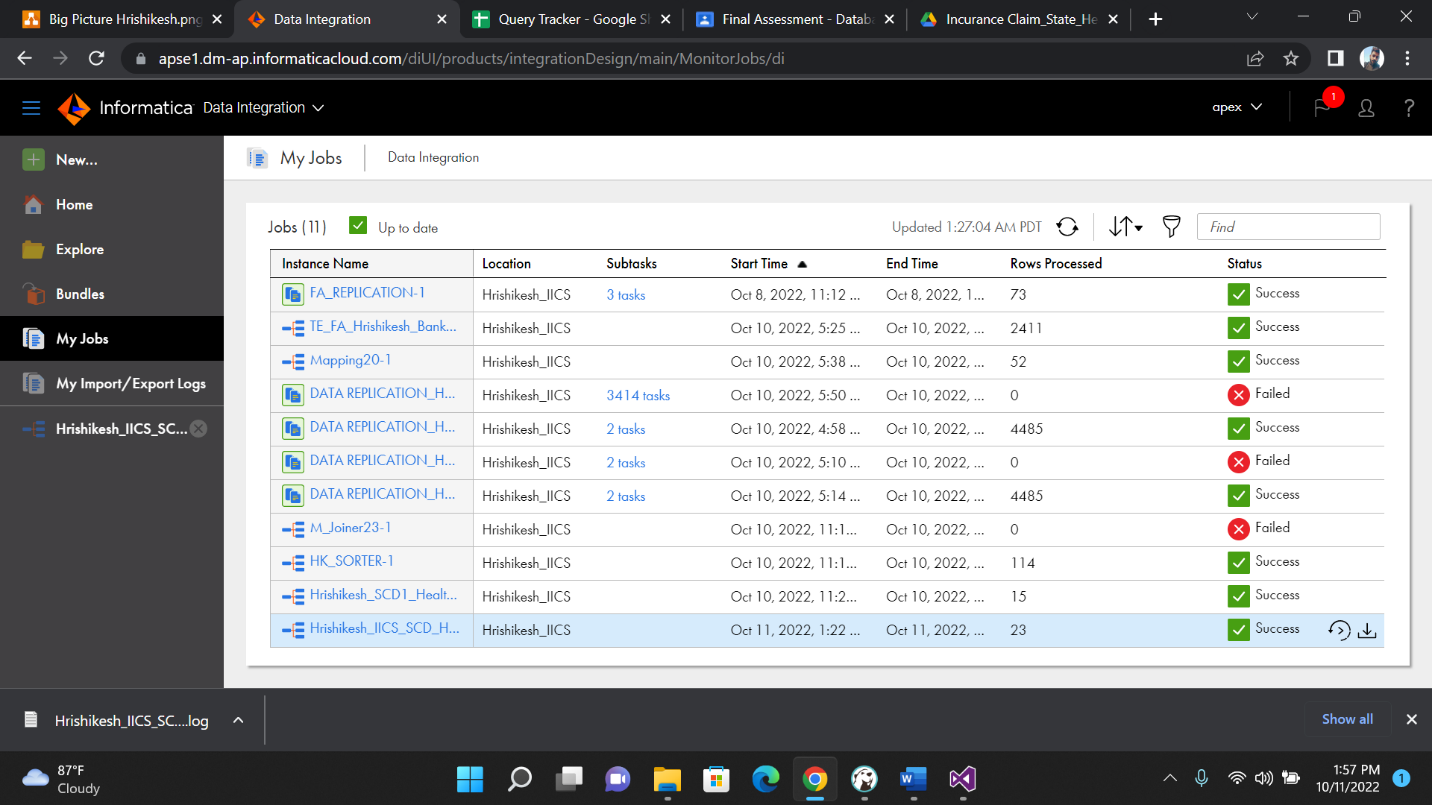
**SELECT** \* **FROM** [TE\_FA\_Hrishikesh\_Health\_IICS\_Target]];

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

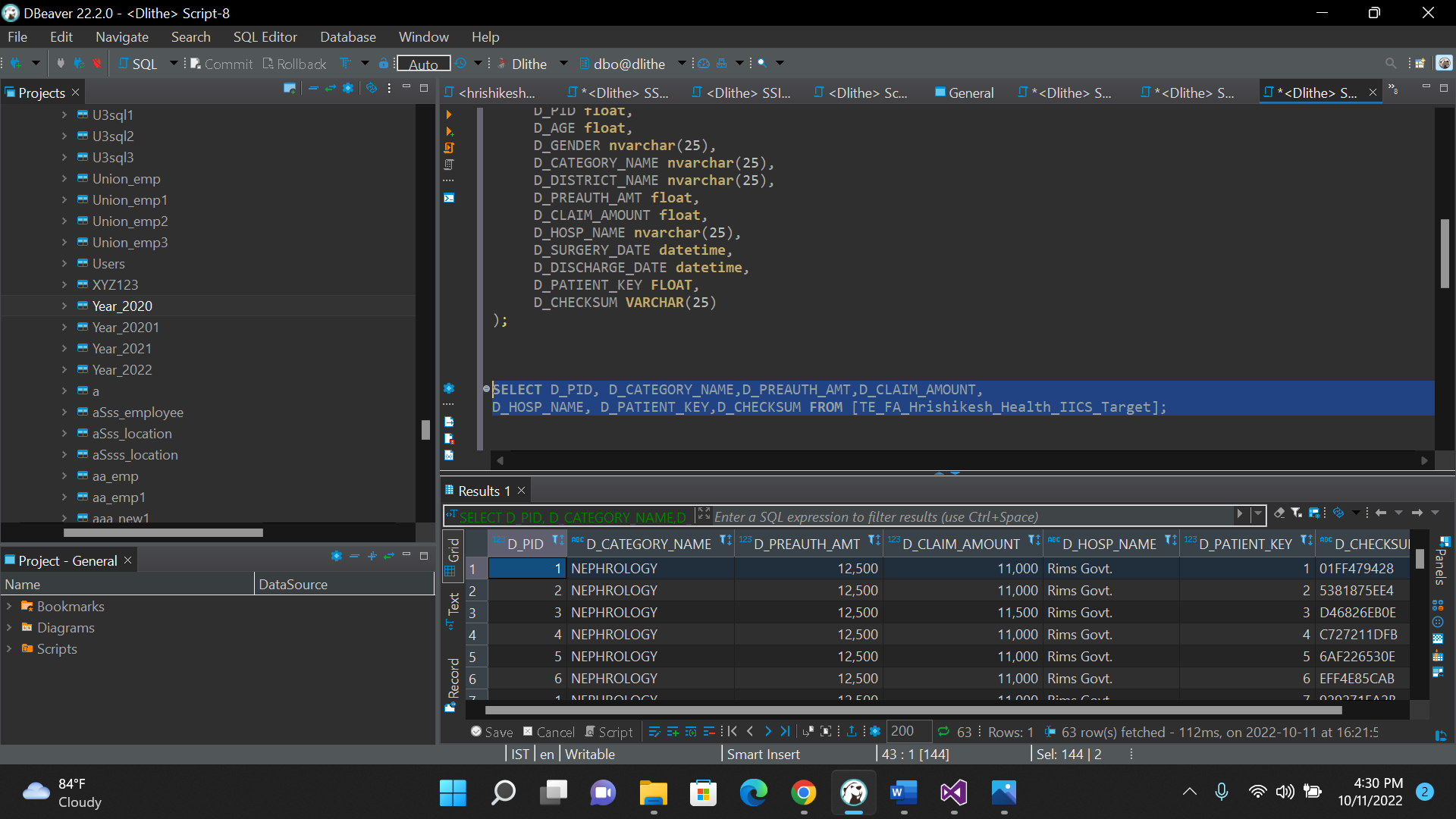
D\_HOSP\_NAME, D\_PATIENT\_KEY,D\_CHECKSUM **FROM** [TE\_FA\_Hrishikesh\_Health\_IICS\_Target]







Output



**Update**

**UPDATE** [TE\_FA\_Hrishikesh\_Health\_IICS]

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

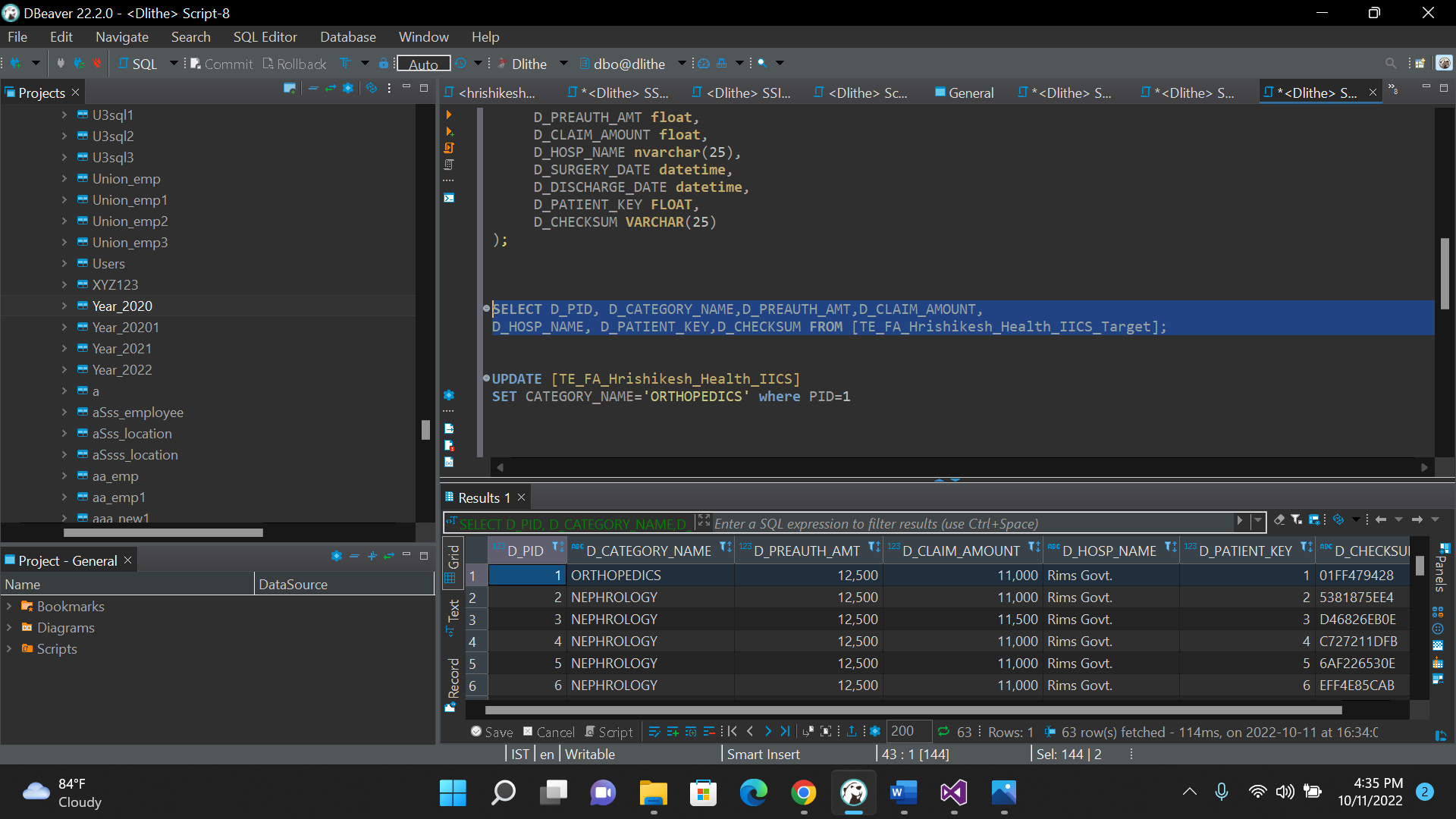
**SELECT** D\_PID, D\_CATEGORY\_NAME,D\_PREAUTH\_AMT,D\_CLAIM\_AMOUNT,

D\_HOSP\_NAME, D\_PATIENT\_KEY,D\_CHECKSUM **FROM** [TE\_FA\_Hrishikesh\_Health\_IICS\_Target];

Graphical user interface

Description automatically generated

Updated Value Output



IICS SCD2

Source Table

**CREATE** **TABLE** [TE\_FA\_Hrishikesh\_Health\_IICS]

(

[PID] **float**,

[AGE] **float**,

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

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

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

[PREAUTH\_AMT] **float**,

[CLAIM\_AMOUNT] **float**,

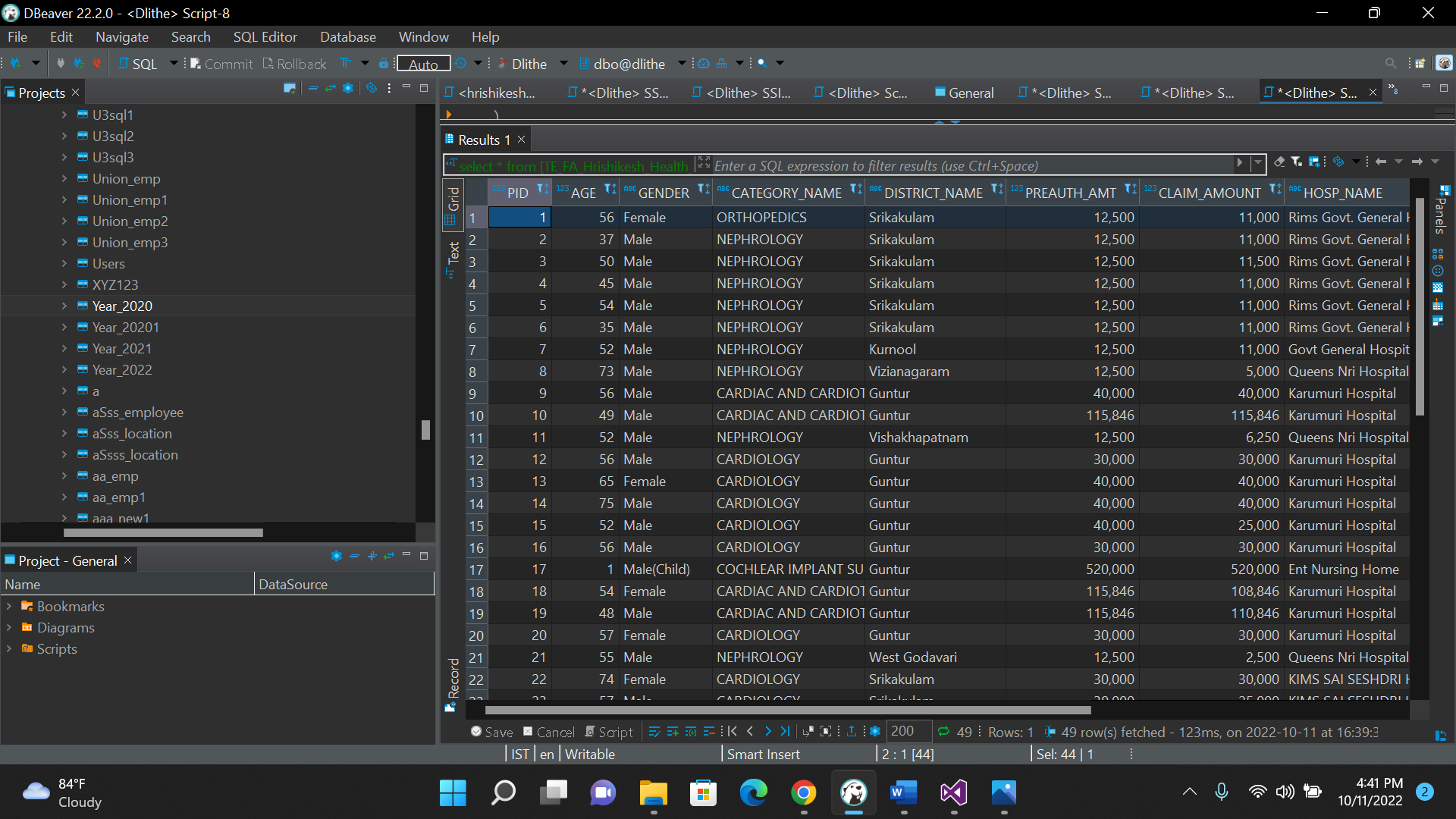
[HOSP\_NAME] **nvarchar**(25),

[SURGERY\_DATE] **datetime**,

[DISCHARGE\_DATE] **datetime**

);

**SELECT** \* **FROM** [TE\_FA\_Hrishikesh\_Health\_IICS];



**Target Table**

**CREATE** **TABLE** [TE\_FA\_Hrishikesh\_Health\_IICS\_Target2] (

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)

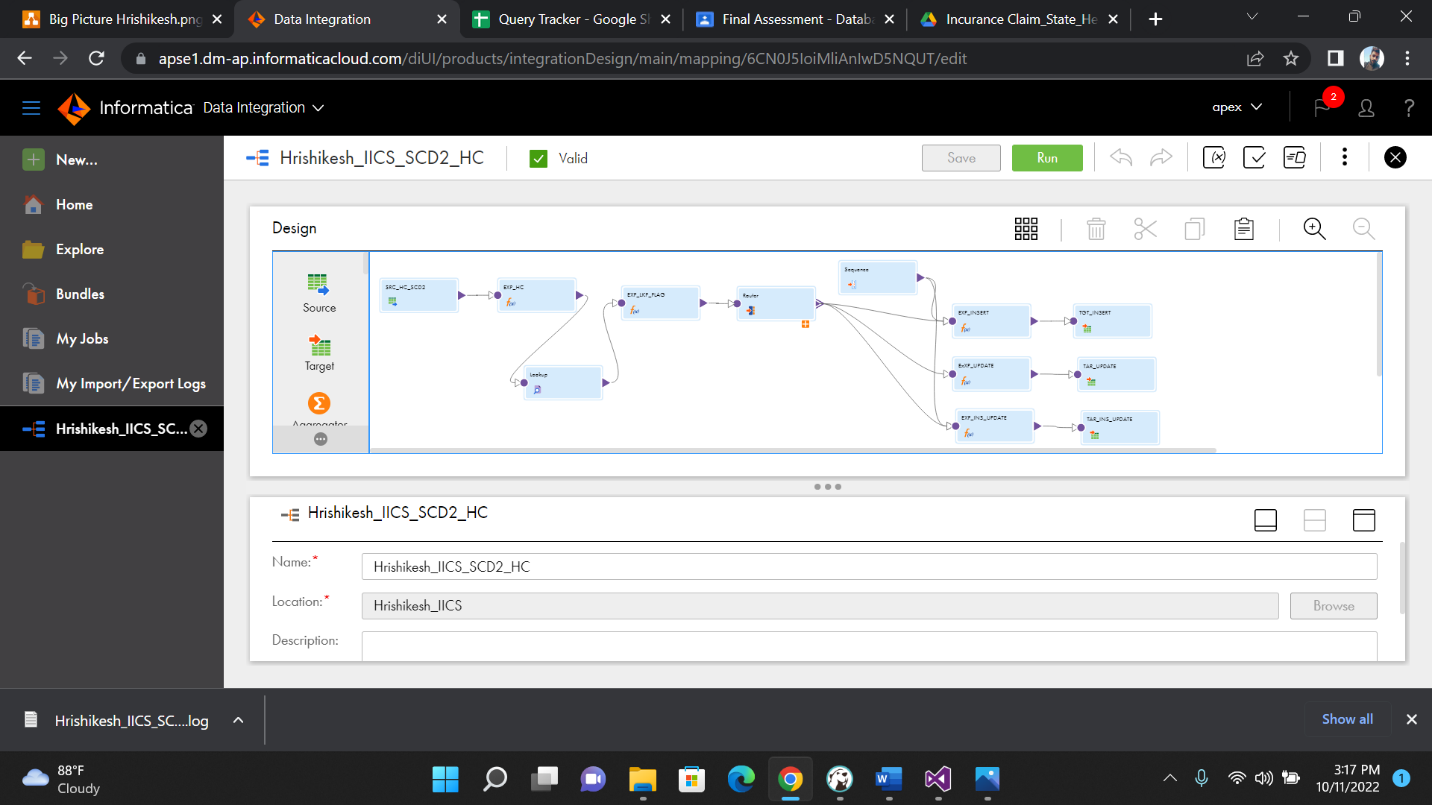
);

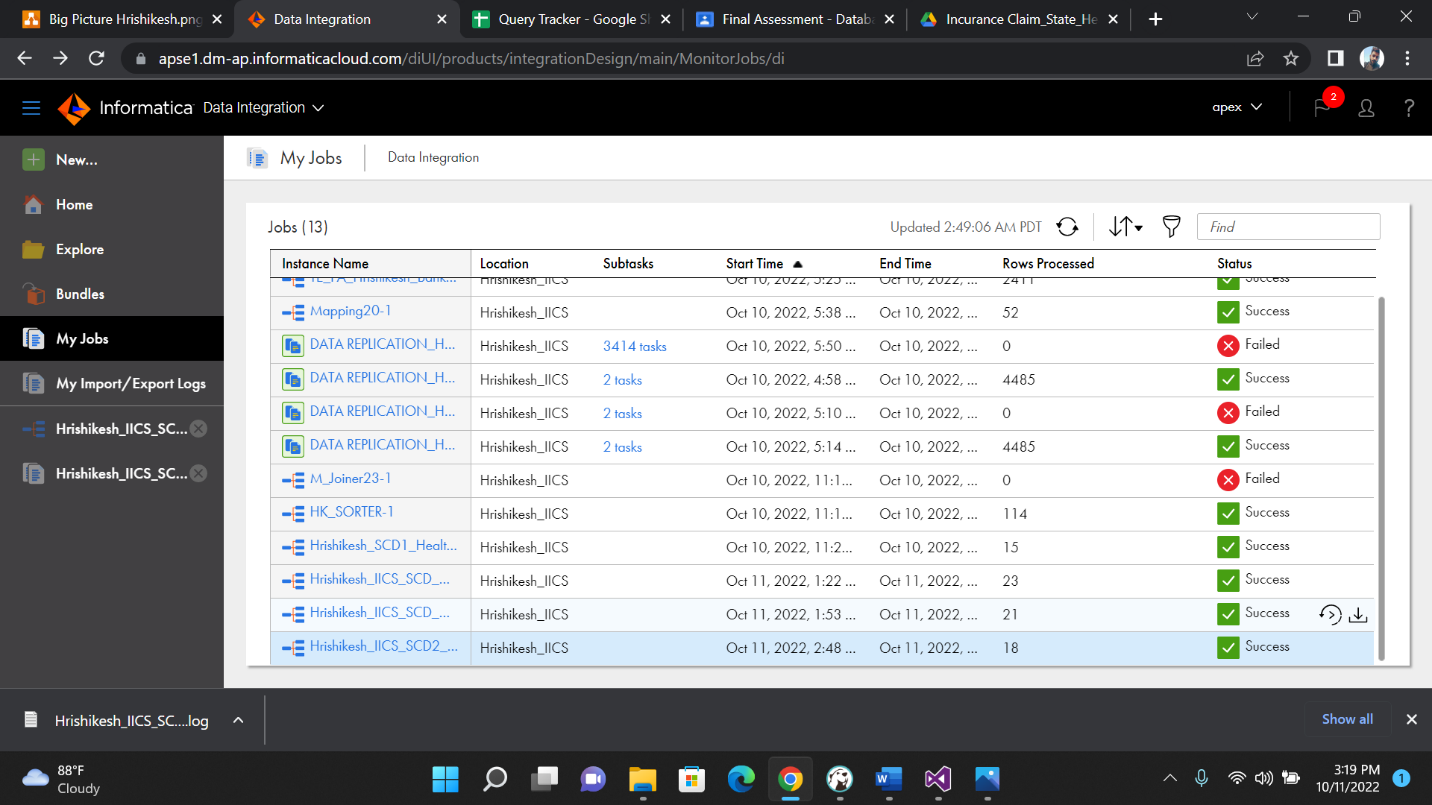
**SELECT** \* **FROM** [TE\_FA\_Hrishikesh\_Health\_IICS\_Target2];

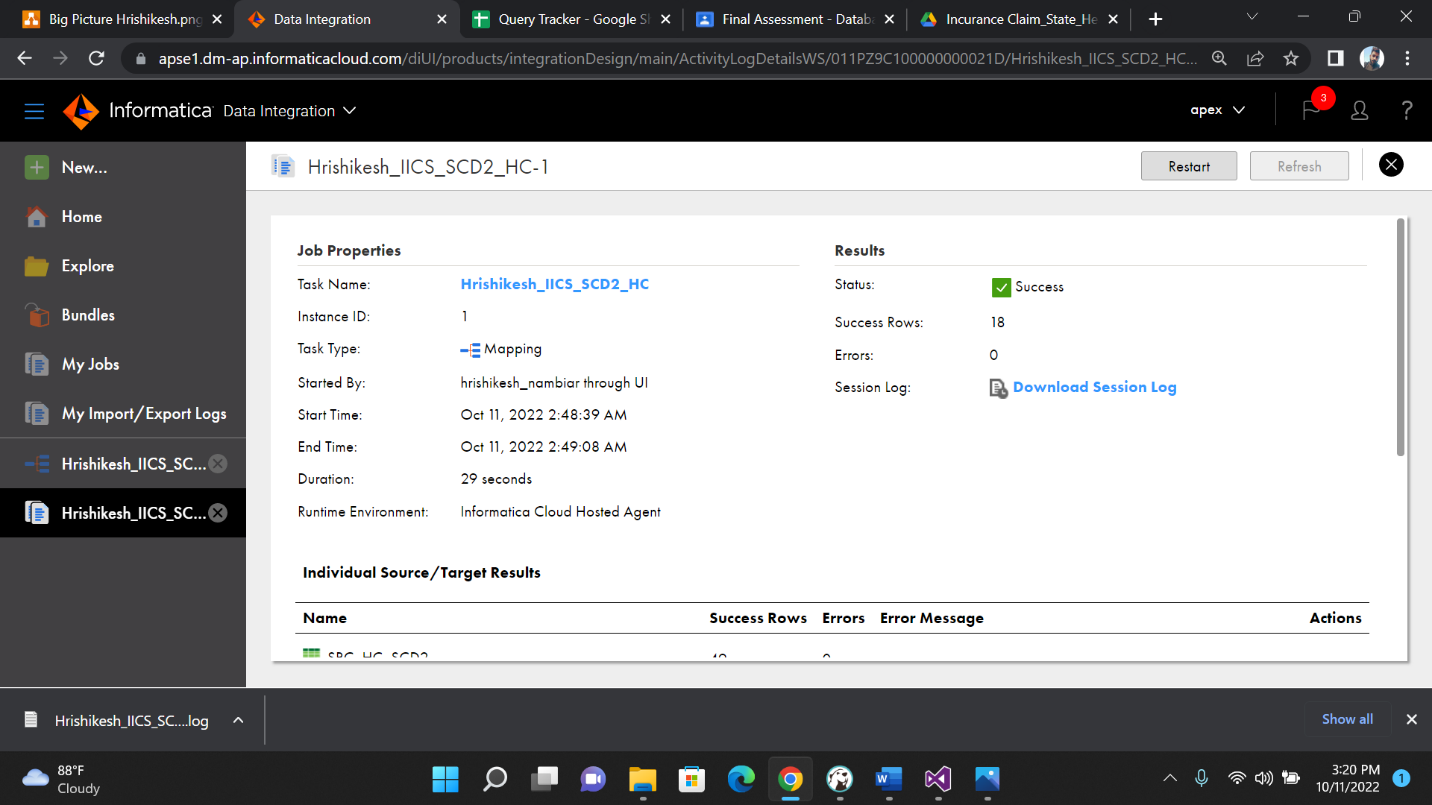
**SELECT** D\_PID, D\_CATEGORY\_NAME,D\_PREAUTH\_AMT,D\_CLAIM\_AMOUNT,

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

D\_DISCHARGE\_DATE **FROM** [TE\_FA\_Hrishikesh\_Health\_IICS\_Target2];







**Output**

A screenshot of a computer

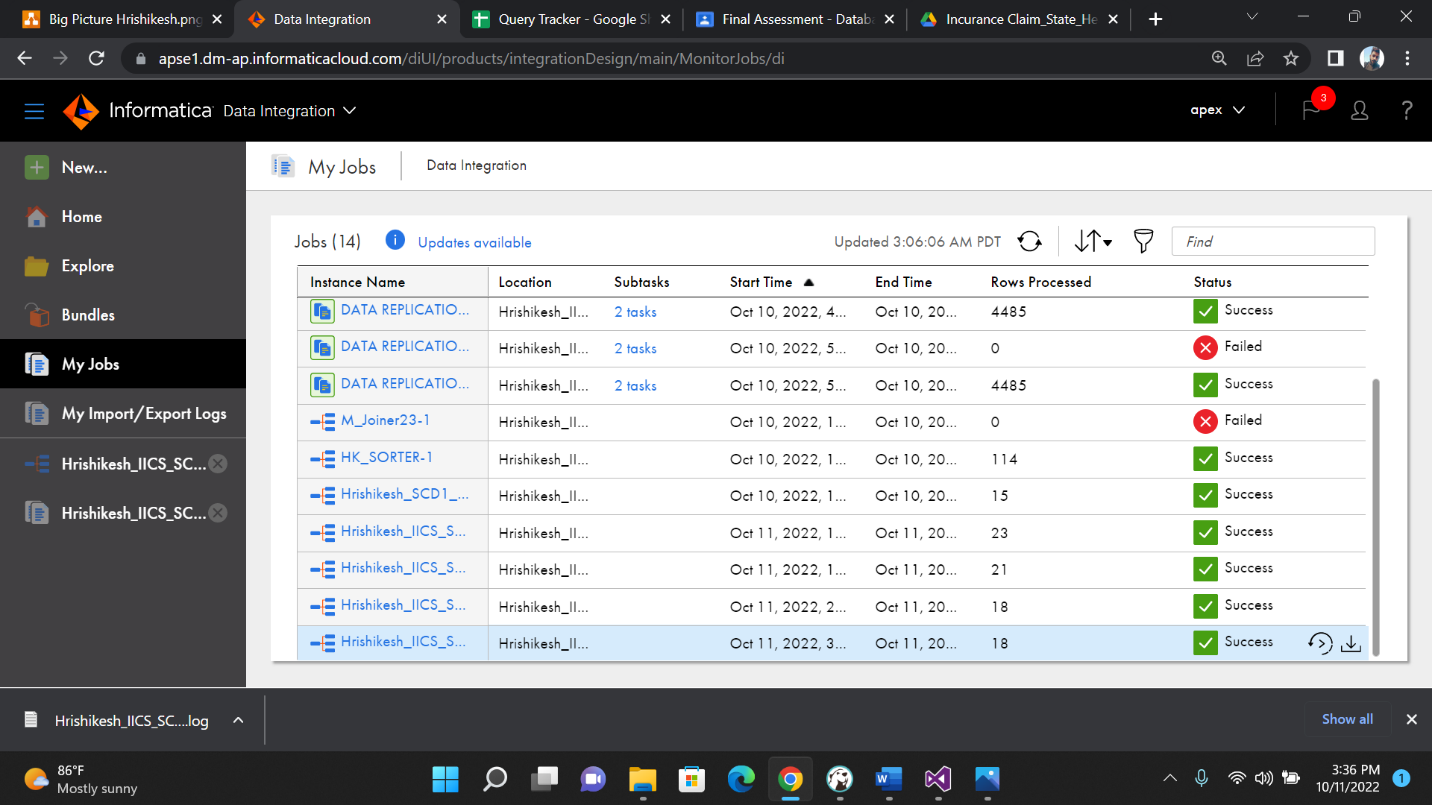
Description automatically generated with medium confidence

**Update**

**UPDATE** [TE\_FA\_Hrishikesh\_Health\_IICS]

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

**SELECT**\* **FROM** [TE\_FA\_Hrishikesh\_Health\_IICS];



**Updated Value Output**

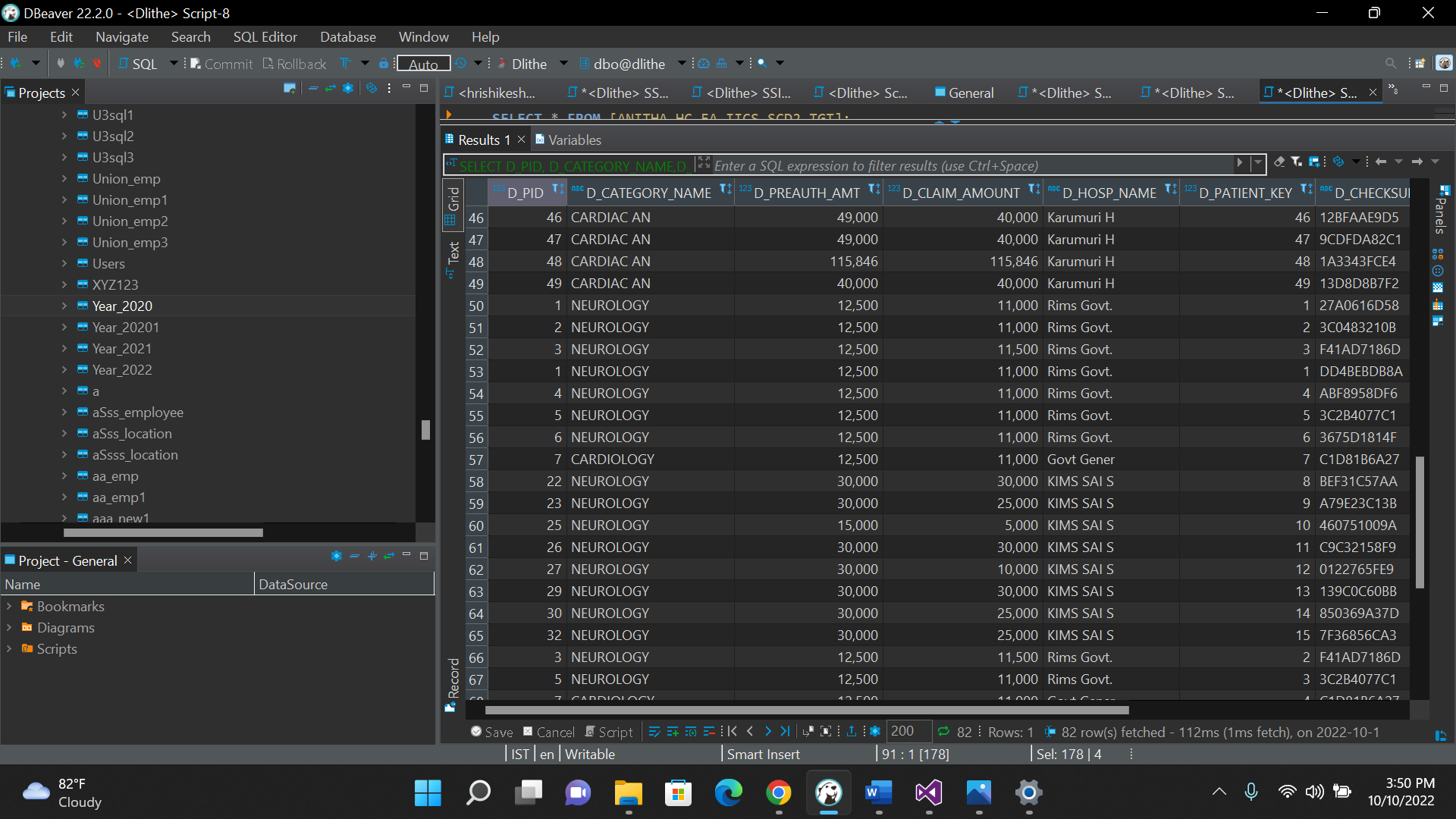
**SELECT** \* **FROM** [TE\_FA\_Hrishikesh\_IICS\_Health\_Target2];

**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** [TE\_FA\_Hrishikesh\_IICS\_Health\_Target2];

-We will get an historical data in TE\_FA\_Hrishikesh\_IICS\_Health\_Target2



AGGREGATE FUNCTION

**Create table** [TE\_FA\_Hrishikesh\_Health\_IICS] (

[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** [TE\_FA\_Hrishikesh\_Health\_IICS];

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Target Table

**CREATE** **TABLE** [TE\_FA\_Hrishikesh\_IICS\_Health\_Aggregate\_Target] (

[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),

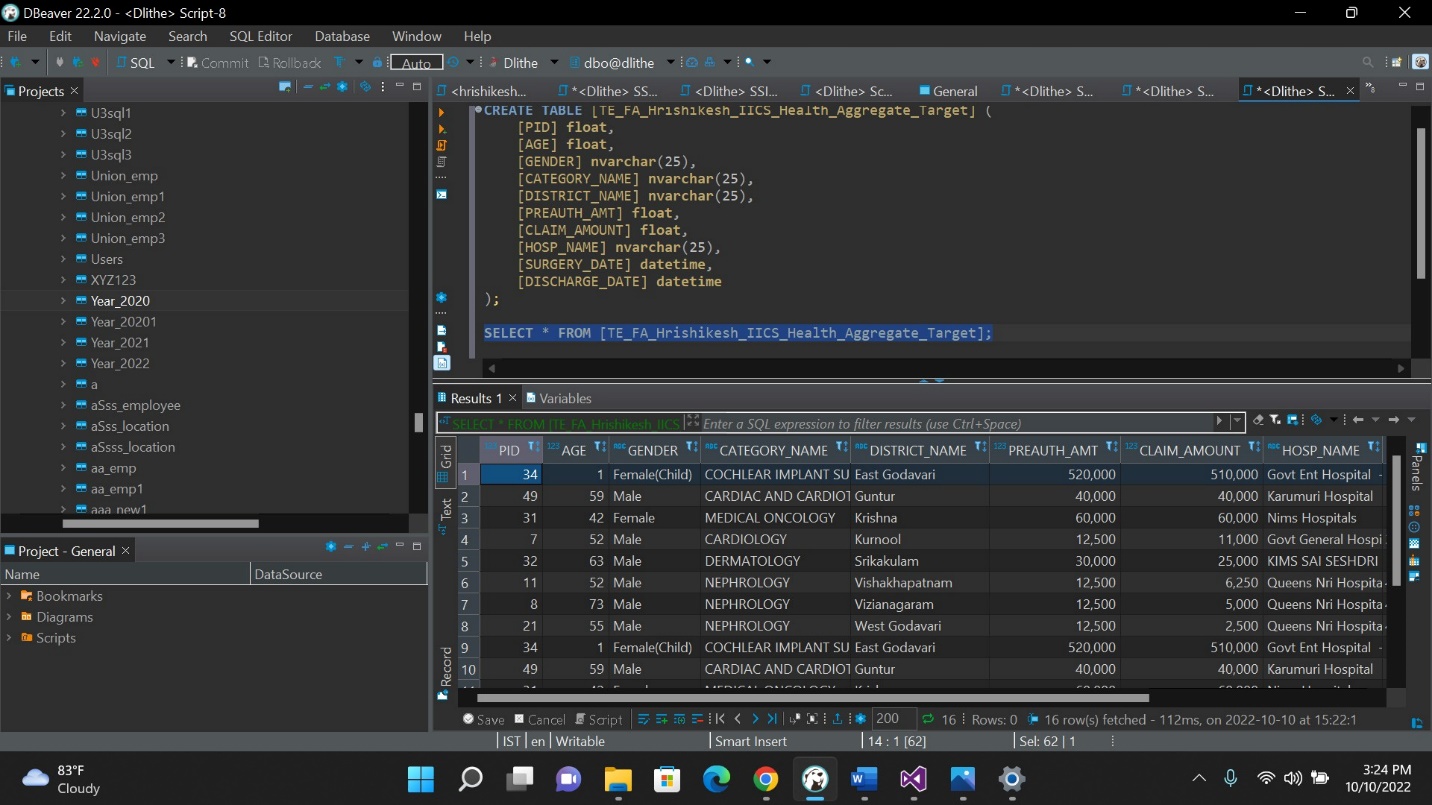
[SURGERY\_DATE] **datetime**,

[DISCHARGE\_DATE] **datetime**

);

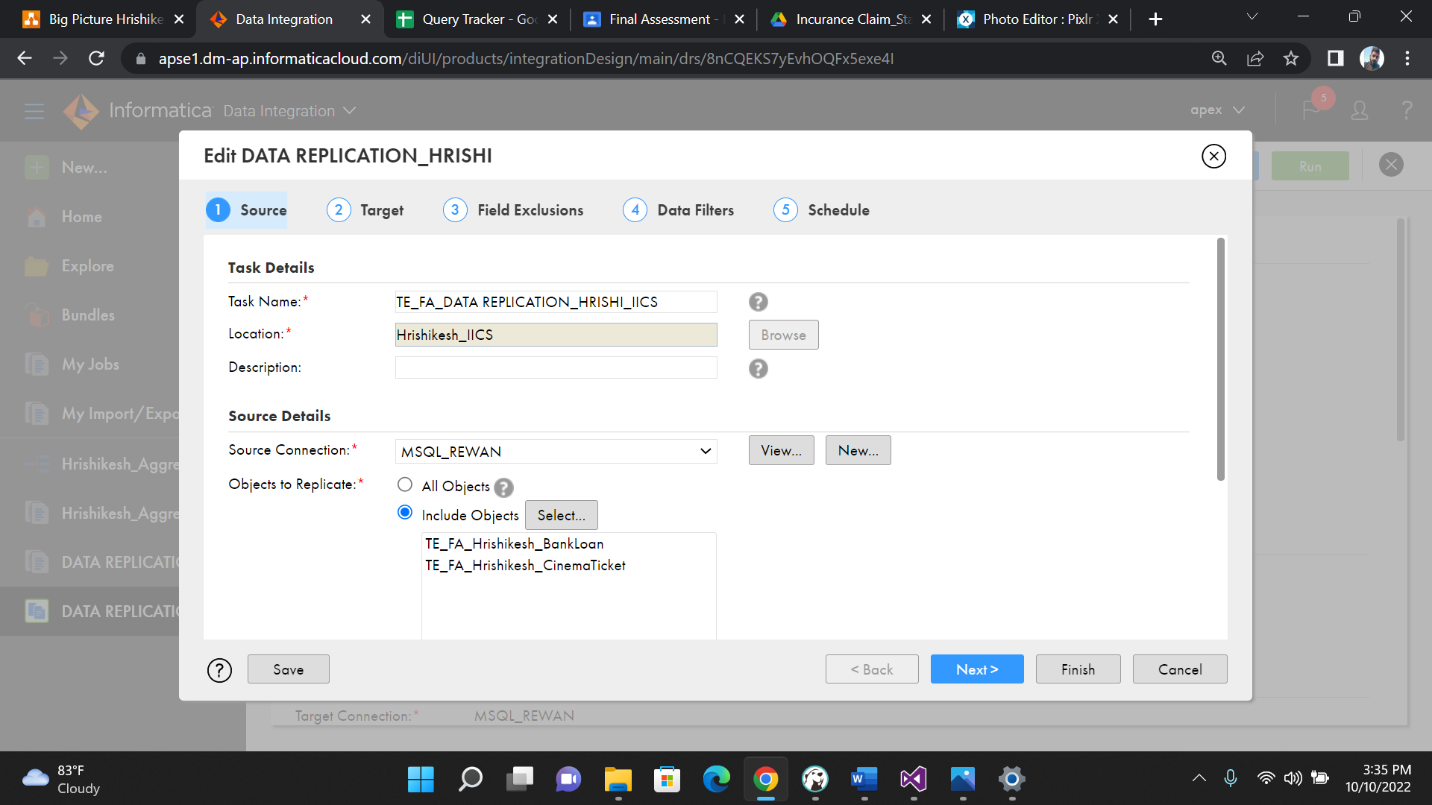
**SELECT** \* **FROM** [TE\_FA\_Hrishikesh\_IICS\_Health\_Aggregate\_Target];

**Output**



**Replication Task**

**1.Source Connection**



**2.Target Connection**A screenshot of a computer

Description automatically generated

**3.Data Filters**

A screenshot of a computer

Description automatically generated

**4.Schedule The Task**

A screenshot of a computer

Description automatically generated

**5.Output of Replication Task**

A screenshot of a computer

Description automatically generated