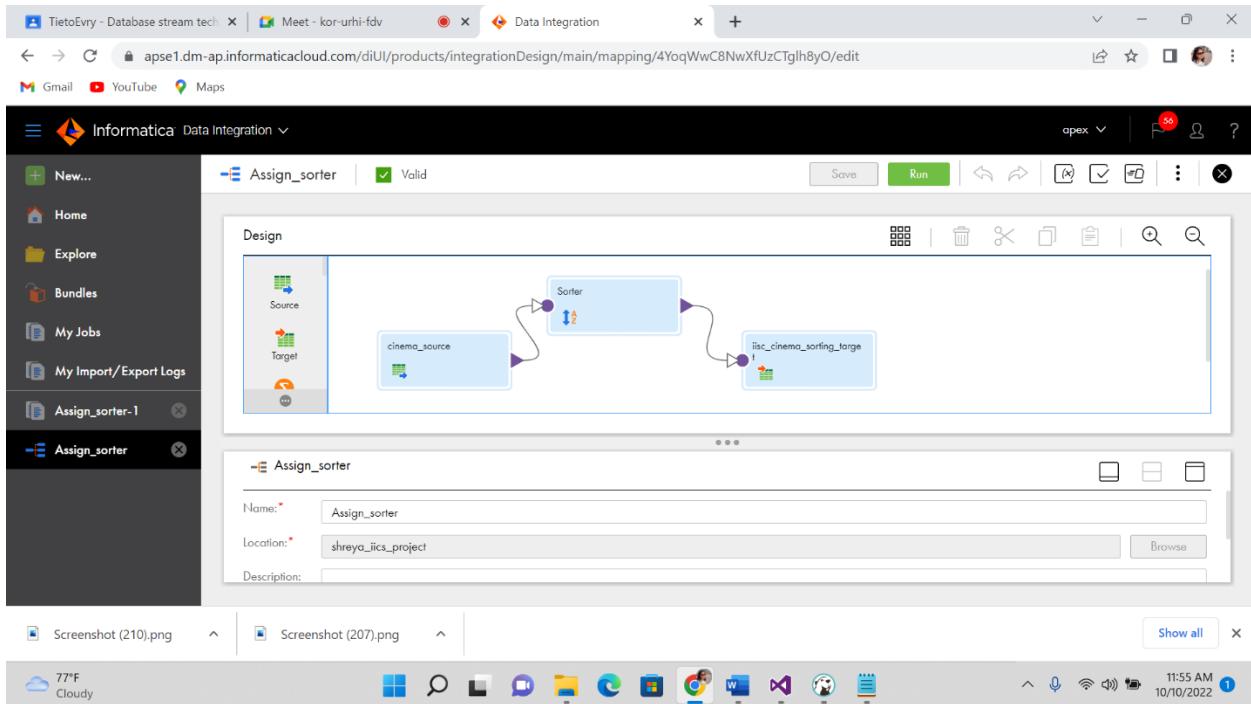
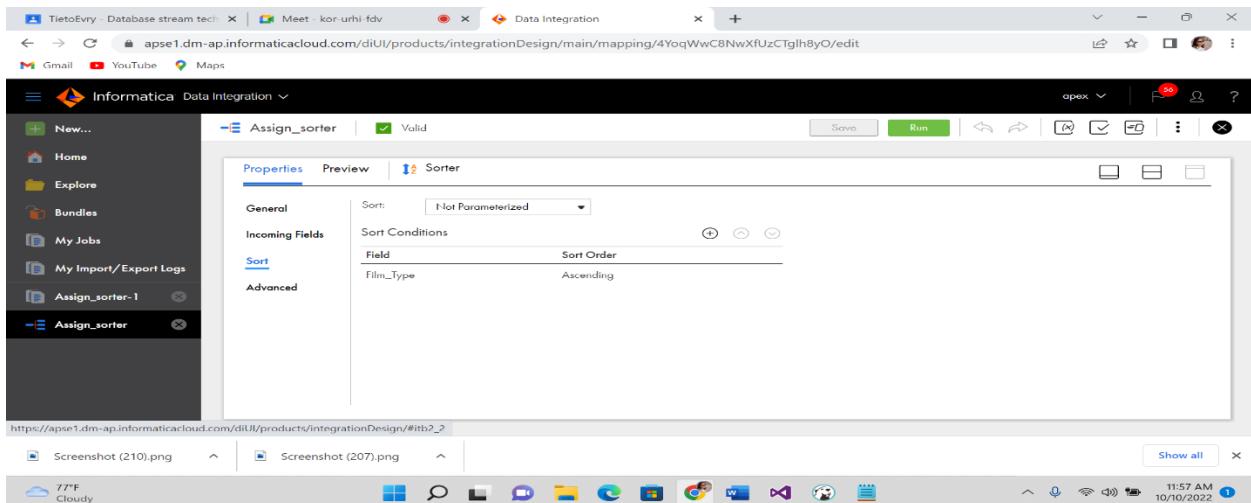


SORTING



Sorting film_type attribute in ascending order ;



OUTPUT TARGET TABLE = **iisc_cinema_sorting_target (OLE DB DESTINATION);**

DBeaver 22.2.0 - <shreya> Script-1.sql

File Edit Navigate Search SQL Editor Database Window Help

Auto Commit Rollback Auto shreya dbo@shreya Results 1

Database Navigator Projects <allthe queries.sql <shreya> Script... <shreya> SSIS.sql <shreya> Viewss... <Cinema_ASSIGN_da... <shreya> IISC.sql <shreya> DDLML...

Enter a part of object name here

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

Record	Film_Type	Copy_film_code	Copy_cinema_code	Copy_total_sales	Copy_tickets_sold	Copy_tickets_out	Copy_show_time	occu_pr
1	Action	1.482	448	298,553,998	2,015	0	12	80.019995
2	Action	1.482	34	186,360,000	1,553	0	6	57.520000
3	Action	1.482	163	186,120,000	1,380	0	9	68.790000
4	Action	1.482	304	179,250,000	1,200	0	8	77.670000
5	Action	1.482	182	154,640,000	1,933	0	5	75.099995
6	Action	1.482	344	118,650,000	793	0	4	74.459995
7	Action	1.482	518	115,080,000	1,152	1	12	77.109995
8	Action	1.482	71	113,400,000	769	0	3	70.230000
9	Action	1.482	89	112,200,000	748	0	6	37.490000
10	Action	1.482	195	91,200,000	1,140	0	13	49.140000
11	Action	1.482	141	87,600,000	595	0	6	68.120000
12	Action	1.482	396	80,600,000	806	0	4	65
13	Action	1.482	524	78,300,000	530	1	7	57.799995
14	Action	1.482	210	78,000,000	1,345	0	9	69.079995
15	Action	1.482	142	77,050,000	780	2	6	44.219995
16	Action	1.482	52	71,050,000	713	0	6	35.579995
17	Action	1.482	489	70,550,000	504	0	16	55.43
18	Action	1.482	390	67,800,000	819	0	10	92.609995
19	Action	1.482	450	66,900,000	450	0	4	92.980000
20	Action	1.482	70	63,000,000	630	0	14	12.33
21	Action	1.482	144	60,160,000	752	0	14	13.92
22	Action	1.482	262	59,000,000	594	0	3	61.880000
23	Action	1.482	417	58,700,000	605	0	5	30.960000

Save Cancel Script | 200+ Rows: 1 200 row(s) fetched - 170ms (29ms fetch), on 2022-10-10 11:57 AM 10/10/2022

SLOWLY CHANGING DIMENSION SCD-1

Setting

Source = T_FINAL_CARS_1000.

Expression = MD5(SupplierID || CarModelYear || CarPrice)

Lookup object = assign_iisc_cars_SCD1.

Lookup Condition as shown below.

TietoEvry - Database stream tech Meet - kor-hurhi-fdv Data Integration

apse1.dm.ap.informaticacloud.com/diUI/products/integrationDesign/main/mapping/1Bg942AT0h3jhBhJk0fEJ/edit

Gmail YouTube Maps

Informatica Data Integration

ASSIGN_SCD1_cars Valid

Design

Properties Preview Lookup

Lookup Object: assign_iisc_cars_SCD1

Lookup Condition: Simple

Lookup Conditions

Lookup Field	Operator	Incoming Field
tar_SupplierID	=	SupplierID

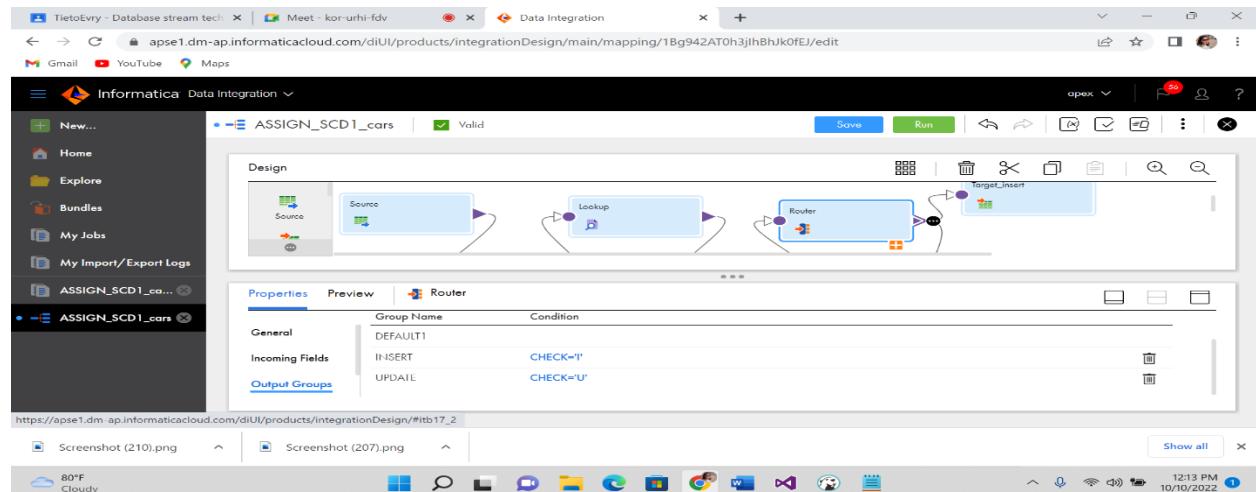
https://apse1.dm.ap.informaticacloud.com/diUI/products/integrationDesign/#itb15_3

Screenshot (210).png Screenshot (207).png Show all

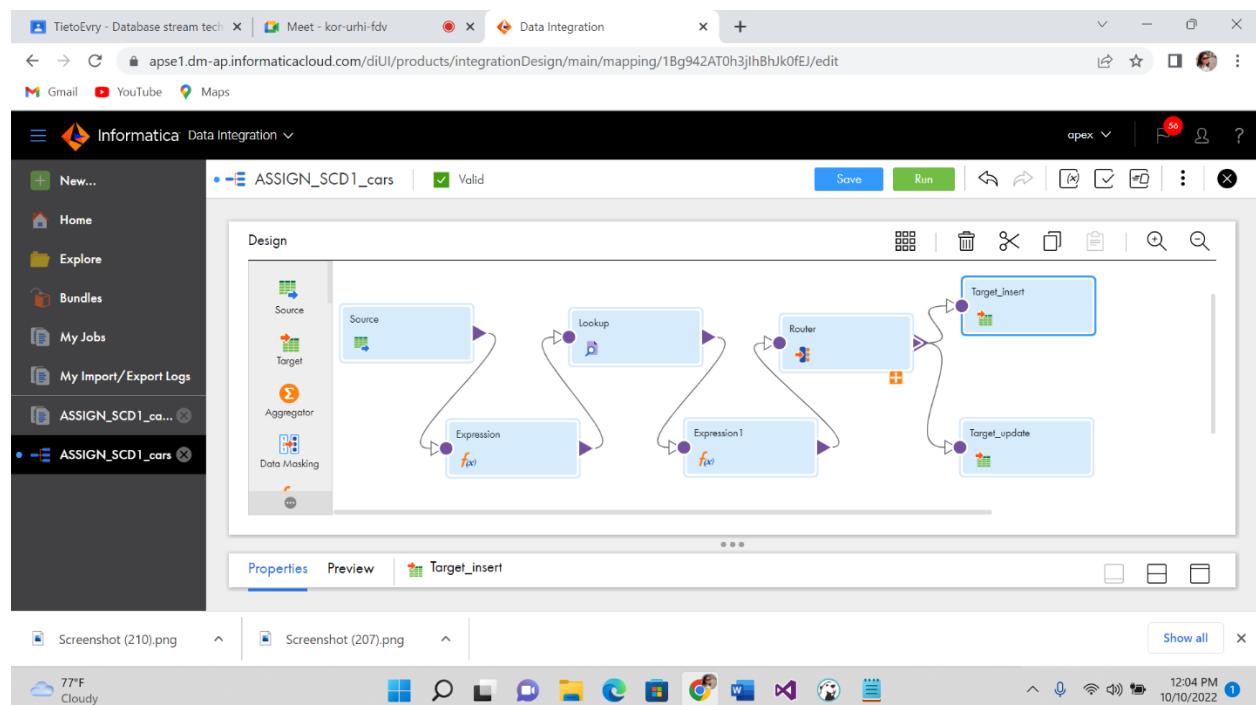
Cloudy 80°F 12:11 PM 10/10/2022

Expression1 = IIF(ISNULL(tar_SupplierID), 'I', IIF(Checksum!=tar_Checksum,'U')).

Router =



Setting the target and mapping the fields in both the target tables.



Run the package.

Output in destination table.

tar_SupplierID	tar_SupplierAddress	tar_SupplierName	tar_SupplierContactDetails	tar_ProductID	tar_CarMaker	tar_CarModel	tar_CarPrice
1	542 Dayton Center	Bubbletube	871-57-6028	8.893	Dodge	Ram 2500	Gold
2	0674 Springview Circle	Tagopia	337-64-4060	9.444	Toyota	Tundra	Crim
3	70 Autumn Leaf Center	Zoomdog	218-19-1802	253	GMC	Savana 1500	Crim
4	649 Corben Lane	Oozz	635-15-3112	1.283	Volkswagen	Cabriolet	Fusci
5	94 Namekagon Point	Kare	849-23-6788	8.905	Mercury	Mariner	Teal
6	46347 Dunning Drive	Rhynyx	378-57-0118	8.877	Toyota	Land Cruiser	Crim
7	7 85 Coleman Parkway	Roombo	479-97-2408	101	Subaru	Impreza	Indic
8	30230 Westfield Pass	Wordify	371-69-6870	8.854	BMW	X6	Purp
9	4 Coleman Street	Skyuu	717-19-7839	9.043	Mitsubishi	Galant	Oran
10	100 Anhalt Place	Feedfire	634-55-4653	492	Subaru	Justy	Crim
11	7 Esch Trail	Layo	547-88-4825	9.212	Mercedes-Benz	M-Class	Mau
12	6 Meadow Vale Center	Oyoyo	440-82-9219	7.891	Ford	Taurus X	Crim
13	0972 Pepper Wood Lane	Quatz	803-82-7568	3.334	Mercedes-Benz	CL-Class	Red
14	55262 Ermitt Place	Gabvine	854-30-4179	8.898	Dodge	Avenger	Turq
15	330 Pennsylvania Plaza	Jaxspan	385-11-6886	4.531	Nissan	Pathfinder	Khak
16	428 Meadow Ridge Alley	Mybuzz	632-59-2978	3.327	BMW	M3	Turq
17	26 Stuart Court	Gabcube	236-54-6347	7.975	Mercedes-Benz	R-Class	Puce
18	73 Bellfuss Road	Lazz	329-80-2609	7.029	Honda	FCX Clarity	Yello
19	9 Lukken Way	Buzzdog	351-97-3917	2.373	Toyota	Corolla	Aqui
20	411 Coleman Circle	Yodel	298-99-8758	5.839	Ford	Tempo	Turq
21	88 Katie Way	Innojam	188-55-0225	1.459	Mercedes-Benz	SL-Class	Turq
22	196 Darwin Park	Skidoo	192-42-0999	8.464	Chevrolet	Monte Carlo	Aqui
23	90989 Muir Avenue	Mynte	323-91-4731	7.705	Bentley	Continental Flying S	Fusci

Changing the attribute values carprice and carmodelyear in source.

DBeaver 22.2.0 - <shreya> Script-1.sql

```

File Edit Navigate Search SQL Editor Database Window Help
File Edit Navigate Search SQL Editor Database Window Help
Auto shreya dbo@shreya
<shreya> Viewss... Cinema_ASSIGN_da... <shreya> IIS.sql <shreya> DDLMLM...
Database Navigator Projects <shreya> SSIS.sql <shreya> Viewss... Cinema_ASSIGN_da... <shreya> IIS.sql <shreya> DDLMLM...
Enter a part of object name here
> <shreya> - rewansolution.database.windows.net:1433
> oracle-88094-0.cloudclusters.net - oracle-88094
> <shreya> - rewansolution.database.windows.net:1433
select DISTINCT film_type from TARGET_CINEMA_IICS;
select * from TARGET_CINEMA_IICS_FINAL;
select * from TARGET_CARS_IICS;

--UPDATE T_FINAL_CARS_1000
SET CarPrice= '33333.3'
where SupplierID=2;

--UPDATE T_FINAL_CARS_1000
SET CarPrice= '11111.3'
where SupplierID=1;

--UPDATE T_FINAL_CARS_1000
SET CarModelYear = '2022'
where SupplierID=3;
-----FINAL-----

```

Results 1 ×

id	CarColor	CarModelYear	CarPrice	CustomerID	CustomerName	Gender	jobTitle	PhoneNumber	Error
1	Red	2,007	111,111.3	60760-224	Louie Hinsche	Male	Mechanical Systems Engineer	907-966-3323	Ihins
2	Crimson	2,010	33,333.3	67457-594	Alexandros Manuel	Male	Structural Engineer	320-943-9301	ama
3	Crimson	2,022	504,465.72	58411-135	Alvie Weighell	Male	Systems Administrator III	312-561-8337	awei
4	Fuscia	1,990	646,077.11	0591-5307	Flint Gunston	Male	Operator	407-830-3175	fgun
5	Teal	2,009	699,890.24	51655-189	Alyssa Filpi	Female	Software Engineer III	313-870-7247	afilip
6	Crimson	2,005	694,373.94	65811-0001	Witt Piche	Male	Professor	404-590-7068	wpic
7	Indigo	1,999	546,977.55	31722-328	Findlay Alberti	Male	Biostatistician III	617-524-1910	faber
8	Purple	2,013	528,353.8	54162-018	Ottlie Wittman	Female	Administrative Officer	304-526-4427	owit

Save Cancel Script | IST | en | Writable | Smart Insert | 354 : 1 [224] | Sel: 224 | 11 | 12:23 PM 10/10/2022

Run the package.

TietoEvry - Database stream tech | Meet - kor-urhi-fdv | Data Integration

apex | ?

My Jobs | Data Integration

Jobs (17) Updated 11:56:37 PM PDT

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
ASSIGN_SCD1_cars-5	shreya_iics_pro...		Oct 9, 2022, 11:57 ...	Oct 9, 2022, 1...	3	Success
Replication Task6-1	shreya_iics_pro...	34 tasks	Oct 9, 2022, 5:57 A...	Oct 9, 2022, 7...	31052	Success
ASSIGN_LAGGREGATE...	shreya_iics_pro...		Oct 9, 2022, 12:45 ...	Oct 9, 2022, 1...	54	Success
ASSIG_AGGREGATE ...	shreya_iics_pro...		Oct 9, 2022, 12:33 ...	Oct 9, 2022, 1...	9	Success
IICS_aggregate-2	shreya_iics_pro...		Oct 9, 2022, 12:28 ...	Oct 9, 2022, 1...	9	Warning
IICS_aggregate-1	shreya_iics_pro...		Oct 9, 2022, 12:23 ...	Oct 9, 2022, 1...	9	Warning
Replication Task4-2	shreya_iics_pro...	1 task	Oct 9, 2022, 12:08 ...	Oct 9, 2022, 1...	355	Success
Replication Task4-1	shreya_iics_pro...	1 task	Oct 9, 2022, 12:04 ...	Oct 9, 2022, 1...	0	Success
ASSIGN_SCD2_cars-2	shreya_iics_pro...		Oct 8, 2022, 5:43 A...	Oct 8, 2022, 5...	4	Success
ASSIGN_SCD2_cars-1	shreya_iics_pro...		Oct 8, 2022, 5:30 A...	Oct 8, 2022, 5...	1000	Success
ASSIGN_SCD1_cars-4	...		Oct 8, 2022, 3:57 A...	Oct 8, 2022, 3...	1	Success

Show all | 12:26 PM 10/10/2022

The values has been updated in target table = assign_iisc_cars_SCD1;

DBeaver 22.2.0 - <shreya> Script-1.sql

File Edit Navigate Search SQL Editor Database Window Help

Auto_ shreya dbo@shreya

Database Navigator Projects <shreya> Viewss... Cinema_ASSIGN_da... <shreya> IIS.sql <shreya> DDLDM...

Enter a part of object name here

> <shreya> - rewarsolution.database.windows.net:1433

> oracle-88094-0.cloudclusters.net - oracle-88094

> <shreya> - rewarsolution.database.windows.net:

Results 1

select * from assign_iisc_cars_SCD1

tar_CarColor	tar_CarModelYear	tar_CarPrice	tar_CustomerID	tar_CustomerName	tar_Gender	tar_JobTitle	tar_PhoneN
red	2,007	111,111.3	60760-224	Louie Hinsche	Male	Mechanical Systems Engineer	907-966-332
crimson	2,010	33,333.3	67457-594	Alexandros Manuel	Male	Structural Engineer	320-943-930
crimson	2,022	504,465.72	58411-135	Alvie Weighell	Male	Systems Administrator III	312-561-833
uscia	1,990	646,077.11	0591-5307	Flint Gunston	Male	Operator	407-830-317
eal	2,009	699,890.24	51655-189	Alyssa Filpi	Female	Software Engineer III	313-870-724
rimson	2,005	694,373.94	65811-0001	Wiatt Piche	Male	Professor	404-590-706
ndigo	1,999	546,977.55	31722-328	Findlay Alberti	Male	Biostatistician III	617-524-191
purple	2,013	528,353.8	54162-018	Ottolie Wittman	Female	Administrative Officer	304-526-442
Orange	2,011	706,964.35	44911-0060	Kirsten Calvey	Female	Assistant Manager	623-594-666
rimson	1,988	798,573.5	54868-5732	Archer Lansborough	Male	Speech Pathologist	408-440-152
auv	2,002	722,114.57	0955-1015	Duff Dodgshun	Male	Developer I	973-213-341
rison	2,008	761,182.85	54838-101	Barry Delves	Female	Analog Circuit Design manag	315-420-410
ed	2,011	568,015.88	49825-119	Libby Divell	Female	VP Sales	304-984-574
urquoise	2,008	646,591.02	54799-504	Demetria Hazelgrove	Female	Human Resources Assistant	785-371-719
haki	2,002	670,304.84	43742-0059	Creigh Wreakes	Male	Internal Auditor	202-159-870
urquoise	2,009	728,986.83	68788-9728	Erv Marville	Male	Senior Developer	423-655-869
uce	2,009	665,854.24	0228-2672	Mychal Zanetti	Male	Social Worker	937-749-604
ellow	2,012	707,705.42	21695-215	Jermain Proudman	Male	Senior Editor	920-861-323
uamarine	2,004	563,380.63	37000-352	Liuka Dundin	Female	Desktop Support Technician	615-169-068
urquoise	1,988	686,028.43	49288-0606	Timmy Duck	Female	Payment Adjustment Coordin	410-914-076
urquoise	2,009	526,717.03	49693-1801	Barbee Cathel	Female	Chemical Engineer	812-935-017

Save Cancel Script | < > 200 200+ Rows: 3 200 row(s) fetched - 93ms (10ms fetch), on 2022-10-10 335 : 37 : 8591 Sel: 0 | 0

Cloudy 80°F 12:27 PM 10/10/2022

SLOWY CHANGING DIMENSION SCD-2

Source = T_FINAL_CARS_1000

Expression= MD5(SupplierID | | CarModelYear | | CarPrice)

Lookup object = assign_iics_cars_SCD2

Lookup condition as shown below.

Informatica Data Integration

assign_SCD2_cars

Design

Properties Preview Lookup

General

Lookup Condition: Simple

Incoming Fields

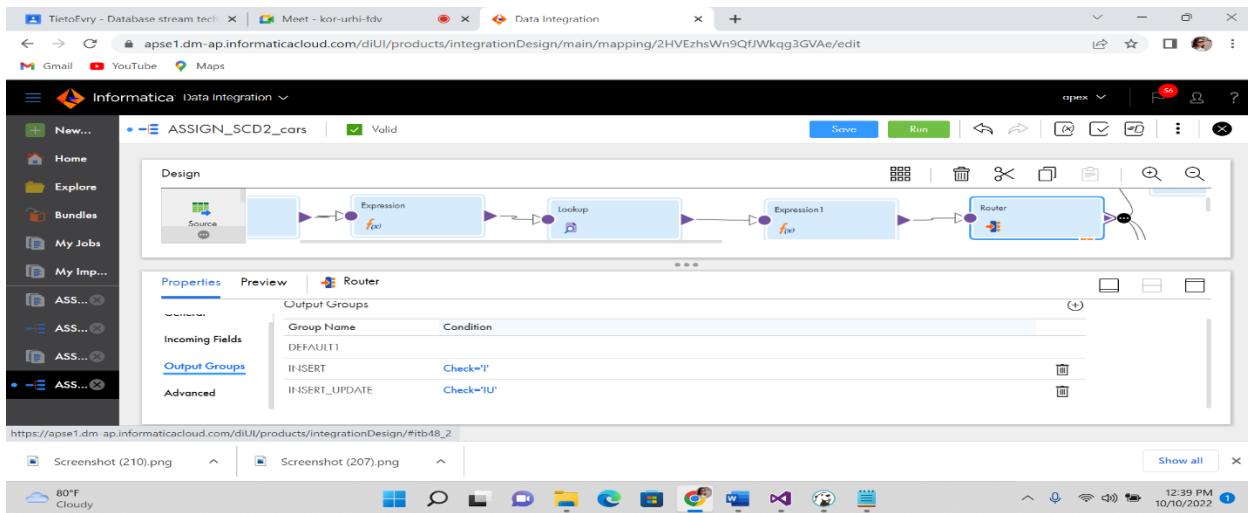
Lookup Object	Lookup Field	Operator	Incoming Field
	tar_SupplierID	=	SupplierID

Show all

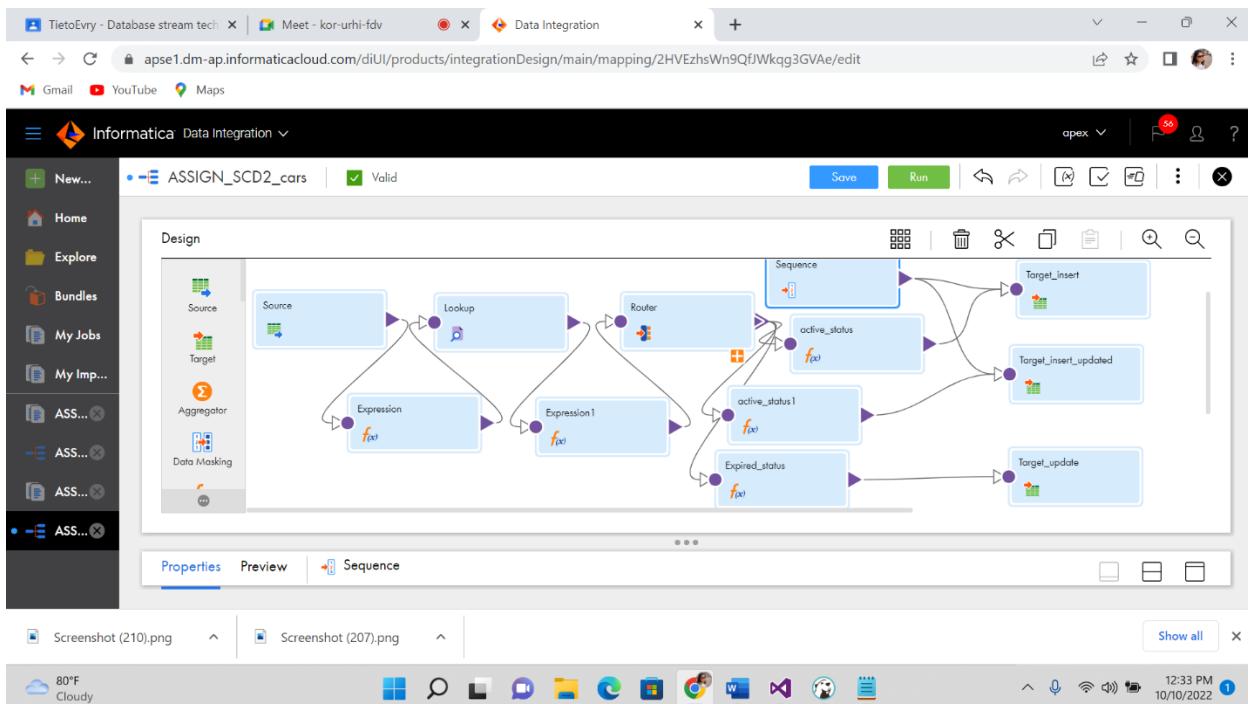
Cloudy 80°F 12:35 PM 10/10/2022

Expression1 = IIF(ISNULL(tar_SupplierID), 'I', IIF(Checksum!=tar_Checksum,'IU'))

Router



Set active_status,active_status1 , expired_status and sequence to the target tables.



Run the package.

The screenshot shows the Informatica Data Integration interface with the "My Jobs" tab selected. The table lists 17 jobs, including Replication Task4-1, ASSIGN_SCD2_cars-2, and several ASSIGN_SCD1_cars entries. The last job listed is Mapping31.1, which failed. The table includes columns for Instance Name, Location, Subtasks, Start Time, End Time, Rows Processed, and Status.

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
Replication Task4-1	shreya_ilcs_project	1 task	Oct 9, 2022, 12:04 AM	Oct 9, 2022, 12:04 AM	0	Success
ASSIGN_SCD2_cars-2	shreya_ilcs_project		Oct 8, 2022, 5:43 AM	Oct 8, 2022, 5:43 AM	4	Success
ASSIGN_SCD2_cars-1	shreya_ilcs_project		Oct 8, 2022, 5:30 AM	Oct 8, 2022, 5:30 AM	1000	Success
ASSIGN_SCD1_cars-4	shreya_ilcs_project		Oct 8, 2022, 3:57 AM	Oct 8, 2022, 3:57 AM	1	Success
ASSIGN_SCD1_cars-3	shreya_ilcs_project		Oct 8, 2022, 3:39 AM	Oct 8, 2022, 3:39 AM	1000	Success
ASSIGN_SCD1_cars-2	shreya_ilcs_project		Oct 8, 2022, 3:05 AM	Oct 8, 2022, 3:05 AM	1000	Success
ASSIGN_SCD1_cars-1	shreya_ilcs_project		Oct 8, 2022, 2:26 AM	Oct 8, 2022, 2:26 AM	9	Success
Assign_sorter.1	shreya_ilcs_project		Oct 7, 2022, 11:27 PM	Oct 7, 2022, 11:27 PM	2000	Success
Mapping31.1	shreya_ilcs_project		Oct 1, 2022, 1:17 AM	Oct 1, 2022, 1:17 AM	0	Failed
Mapping31.1	shreya_ilcs_project		Sep 30, 2022, 5:50 AM	Sep 30, 2022, 6:00 AM	13697	Success

Changing the attribute values carprice and carmodelyear in source.

```

DBeaver 22.2.0 - <shreya> Script 1.sql
File Edit Navigate Search SQL Editor Database Window Help
Database Navigator × Projects × Auto shreya dbo@shreya
Enter a part of object name here
> dilithe - rewsolutions.database.windows.net:1
> oracle-88094-0.cloudclusters.net - oracle-88094
> shreya - rewsolutions.database.windows.net:1

SELECT * FROM T_FINAL_CARS_1000;
select * from Cinema_ASSIGN_data;
select * from Final_original_cars_data;
select DISTINCT film_type from TARGET_CINEMA_IICS;
select * from TARGET_CINEMA_IICS_FINAL;
select * from TARGET_CARS_IICS;

UPDATE T_FINAL_CARS_1000
SET CarPrice= '10000.3'
where SupplierID=2;

UPDATE T_FINAL_CARS_1000
SET CarModelYear = '2030'
where SupplierID=3;
-----FINAL-----

```

Results 1 ×

	CarModel	CarColor	CarModelYear	CarPrice	CustomerID	CustomerName	Gender	JobTitle	PhoneNum
1	Ram 2500	Red	2.007	111,111.3	60760-224	Louie Hinsche	Male	Mechanical Systems Engineer	907-966-33
2	Tundra	Crimson	2.010	10,000.3	67457-594	Alexandros Manuel	Male	Structural Engineer	320-943-93
3	Savana 1500	Crimson	2.030	504,465.72	58411-135	Alvia Weighell	Male	Systems Administrator III	312-561-83
4	Cabriolet	Fuscia	1.990	646,077.11	0591-5307	Flint Gunston	Male	Operator	407-830-31
5	Mariner	Teal	2.009	699,890.24	51655-189	Alyssa Filpi	Female	Software Engineer III	313-870-72

Run the package.

Jobs (18) Updated 12:19:37 AM PDT

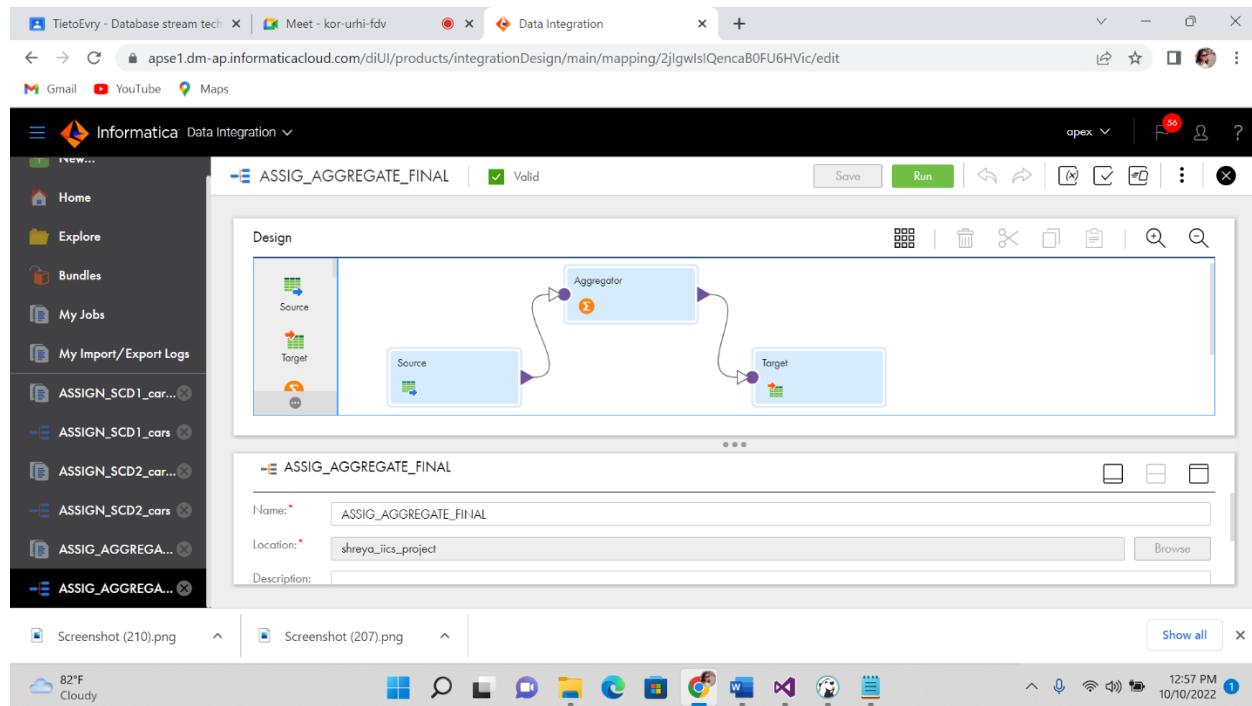
Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
ASSIGN_SCD2_cars-3	shreya_iics_project		Oct 10, 2022, 12:20 ...	Oct 10, 2022, 1:10 ...	6	Success
ASSIGN_SCD1_cars-3	shreya_iics_project		Oct 9, 2022, 11:57 PM	Oct 9, 2022, 11:57 PM	3	Success
Replication Task6-1	shreya_iics_project	34 tasks	Oct 9, 2022, 5:57 AM	Oct 9, 2022, 7:2...	31052	Success
ASSIGN_LAGGREGATE_C...	shreya_iics_project		Oct 9, 2022, 12:45 AM	Oct 9, 2022, 12:45 AM	54	Success
ASSIG_NAGGREGATE_FIN...	shreya_iics_project		Oct 9, 2022, 12:43 AM	Oct 9, 2022, 12:43 AM	9	Success
IICS_aggregate_2	shreya_iics_project		Oct 9, 2022, 12:48 AM	Oct 9, 2022, 12:48 AM	9	Success
IICS_aggregate_1	shreya_iics_project		Oct 9, 2022, 12:49 AM	Oct 9, 2022, 12:49 AM	9	Warning
Replication Task4_2	shreya_iics_project	1 task	Oct 9, 2022, 12:08 AM	Oct 9, 2022, 12:08 AM	335	Success
Replication Task4_1	shreya_iics_project	1 task	Oct 9, 2022, 12:04 AM	Oct 9, 2022, 12:04 AM	0	Success
ASSIGN_SCD2_cars-2	shreya_iics_project		Oct 8, 2022, 5:13 AM	Oct 8, 2022, 5:44 ...	4	Success
ASSIG_NSCD2_cars-1	shreya_iics_project		Oct 8, 2022, 5:30 AM	Oct 8, 2022, 5:30 AM	1,000	Success

Output Target table = assign_iics_cars_SCD2.

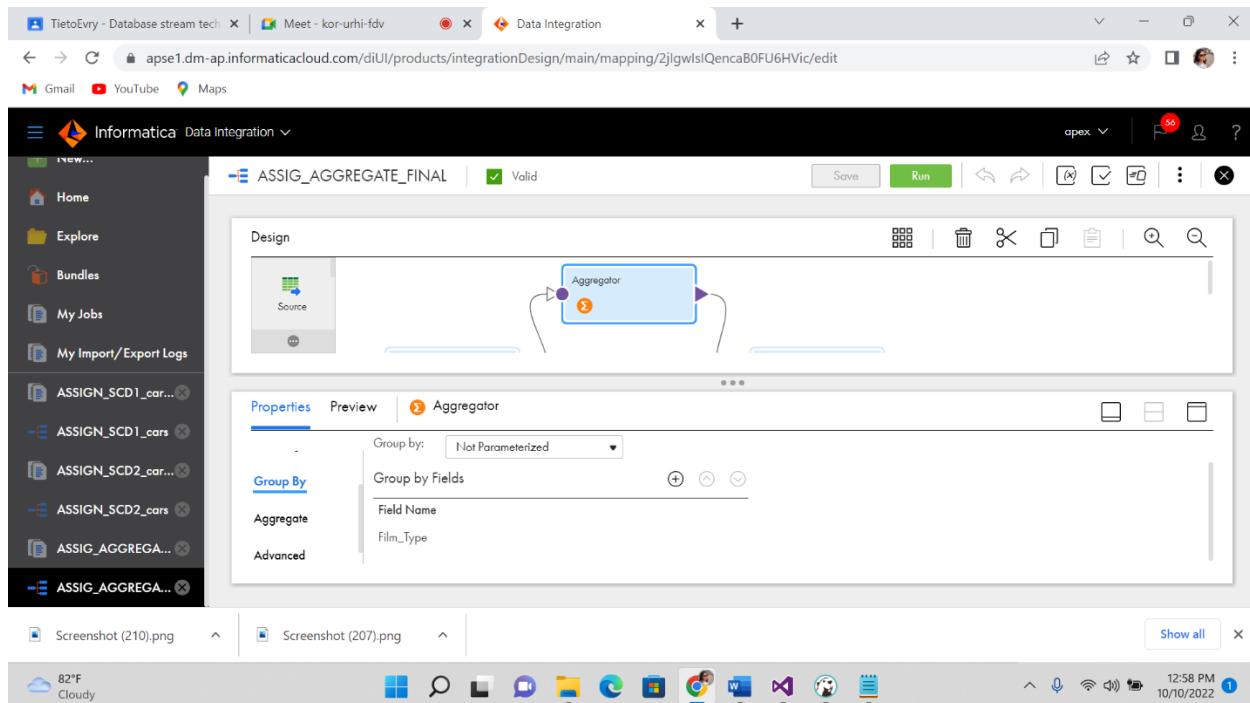
The rows are successfully updated and status are changed to expired.

AGGREGATE

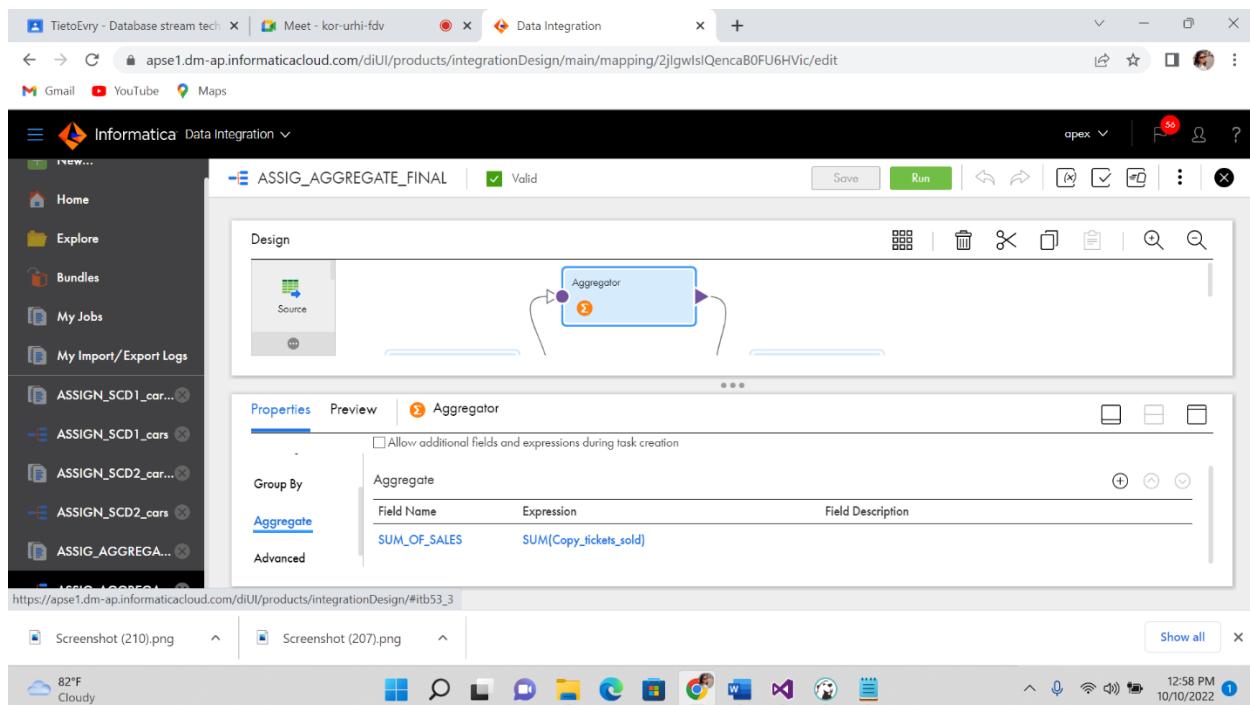
Source table = Cinema_ASSIGN_data



Group by = film_type



Aggregate operation used = $\text{SUM}(\text{copy_tickets_sold})$



Run the package.

Output Target table = TARGET_CINEMAL_IICS_FINAL;

DBeaver 22.2.0 - <shreya> Script-1.sql

File Edit Navigate Search SQL Editor Database Window Help

Auto shreya dbo@shreya

Database Navigator Projects <shreya> Auto shreya dbo@shreya

Enter a part of object name here

```

select * from assign_iics_cars_SCD2;
--select * from target_FA_CARS_SCD1;
alter table assign_iisc_cars_SCD1
drop column tar_status;
-----
SELECT * FROM T_FINAL_CARS_1000;
select * from Cinema_ASSIGN_data;
select * from Final_original_cars_data;
select DISTINCT film_type from TARGET_CINEMA_IICS;
select * from TARGET_CINEMA_IICS_FINAL;
select * from TARGET_CARS_IICS;
*UPDATE T_FINAL_CARS_1000

```

Results 1

	Copy_ticket_price	Copy_ticket_use	capacity	Copy_date	Copy_month	Copy_quarter	Copy_day	SUM_OF_SALES	
1	53,407	182	680	43,195	4	2	5	84,540	
2	80,000	19	168	43,225	5	2	5	5,905	
3	80,000	31	215	43,247	5	2	27	7,726	
4	9999997	60,000	9	194	43,230	5	2	10	32,056
5	00000001	120,000	218	279	43,192	4	2	2	30,254
6	00000003	98,571	42	552	43,218	4	2	28	27,380
7	00000001	60,000	7	52	43,277	6	2	26	3,083

Save Cancel Script | Rows: 1 | 9 row(s) fetched - 80ms, on 2022-10-10 at 13:02:27 | IST | en | Writable | Smart Insert | 351 : 1 [40] | Sel: 40 | 1 | 103 PM | 10/10/2022

Cloudy 82°F