

Final Assessment for TietoEvry- Database

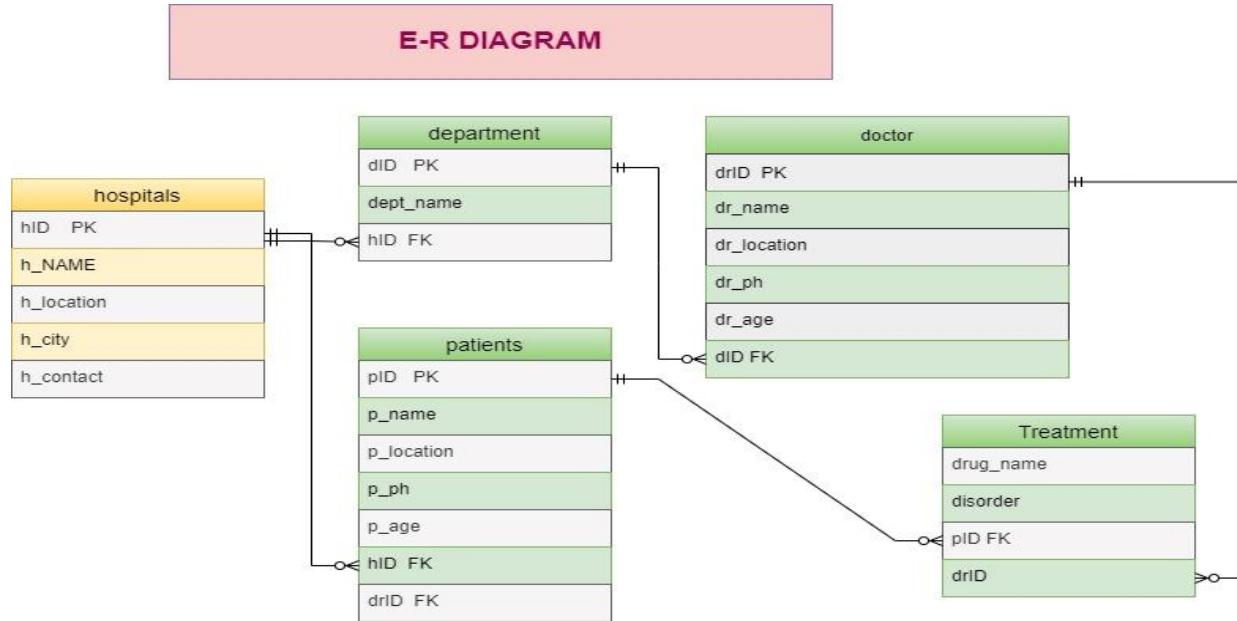
stream - Campus batch 2022

Module 1: SQL Server

1. Perform the normalization

a) Creating tables as per normalization

E-R DIAGRAM



Main Table – hospitals

Child Table – department,patients.

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
Database Navigator × Projects × Auto shreya × dbo@shreya ×
Enter a part of object name here
<dlithe - rewarsolution.database.windows.net>
<oracle-88094-0.cloudclusters.net - oracle-6>
<bshreya - rewarsolution.database.windows.net>
Databases ×
Tables ×
Schemas ×
dbo ×
Aggregat_Employees ×
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Cinema_ASSIGN_data ×
Dbdata ×
Dim_Employees ×
FA_CARS_SCD2 ×
Final oriignal cars data ×
Project - General ×
Name DataSource
Bookmarks
Diagrams
Scripts
CREATE TABLE hospitals (
    hID int primary key,
    h_name varchar(80) NOT NULL,
    h_location varchar(50) NOT NULL,
    h_city varchar(20) NOT NULL,
    h_contact varchar(15) NOT NULL,
);

CREATE TABLE department (
    dID int PRIMARY KEY ,
    dr_name varchar(30) ,
    dr_ph varchar(15) ,
    dr_location varchar(50) ,
    dr_age int ,
    dept_name varchar(30) ,
    hID int FOREIGN KEY (hID) REFERENCES hospitals(hID),
    dID int FOREIGN KEY (dID) REFERENCES department(dID),
);

CREATE TABLE patients (
    pID int primary key,
    p_name varchar(30) ,
    p_location varchar(50) ,
    p_ph varchar(15),
    p_age int ,
    hID int FOREIGN KEY (hID) REFERENCES hospitals(hID),
    dID int FOREIGN KEY (dID) REFERENCES department(dID),
);
```

73°F Raining now

IST | en | Writable | Smart Insert | 317 : 40 : 8505 | Sel: 0 | 0 | 5:46 PM 10/9/2022

b) Inserting the data into tables.

The screenshot shows two separate instances of DBBeaver running side-by-side. Both instances have the same database setup: a connection to 'shreya' on 'rewansolution.database.windows.net' via port 88094, and a schema named 'dbo' containing several tables.

Top Window (Script-1.sql):

```

--insert into hospitals
values ('1', 'Bowring hospital','Shivajinagar bus stand Cantonment',' Bangalore', '9678930216),
(2, 'Mally Hospital','Vittal Mally Road','Bangalore', '7865432109),
(3, 'E.S.I Hospital','Hospital HAL II Stage Indiranagar', ' Bangalore', '8976543210),
(4, 'KLES Hospital','Nehru Nagar', 'Hassan', '8765489765),
(5, 'Adichunchanagiri Hospital','Balagangadhara Nagar', 'Mysore', '6754345210),
(6, 'Kasturba Hospital','Manipal udupi', 'Udupi', '9976543010),
(7, 'K.M.Hegde Medical Hospital','pumpwell road', 'Mangalore', '5576543010),
(8, 'KMC Hospital', ' jyothi circle', 'Mangalore', '8886543010),
(9, 'Columbia Asia Hospital','palace road', 'Mysore', '9988888510),
(10, 'Columbia Asia Hospital', 'yashwanthpur main road', 'Bangalore', '9456343010);

```

Bottom Window (Script-1.sql):

```

--insert into department
values ('100', 'dr.shreya', '6362986187', 'Bangalore', '44', 'ENT', '1'),
(101, 'dr.abhi', '8892396182', 'Bangalore', '54', 'GYNAECOLOGY', '1'),
(102, 'dr.Ram', '899996187', 'Mangalore', '34', 'ORTHOPAEDICS', '8'),
(103, 'dr.Antony', '9092996187', 'Bangalore', '44', 'NEUROLOGY', '3'),
(104, 'dr.Sham', '6388886180', 'Hassan', '64', 'SURGERY', '4'),
(105, 'dr.Murthy', '8982996188', 'Udupi', '46', 'SURGERY', '6'),
(106, 'dr.Sam', '8567996187', 'Mysore', '65', 'X-ray', '9'),
(107, 'dr.Sam', '8982996189', 'Mysore', '58', 'X-ray', '9'),
(108, 'dr.Venky', '9567996188', 'Bangalore', '58', 'Radiology', '10'),
(109, 'dr.Siri', '6362999000', 'Mysore', '74', 'X-ray', '5'),
(110, 'dr.Mohan', '8596996187', 'Bangalore', '29', 'CARDIOLOGY', '1'),
(111, 'dr.Arun', '7869996187', 'Bangalore', '39', 'dental', '2'),
(112, 'dr.Saarth', '9562999699', 'Mangalore', '36', 'SKIN', '7),
(113, 'dr.nommy', '9448276546', 'Sanjaynagar', '30', 'Radiology', '3);

```

c) Join the table

INNER JOIN

The screenshot shows a single instance of DBBeaver. A query is being run in the SQL Editor tab:

```

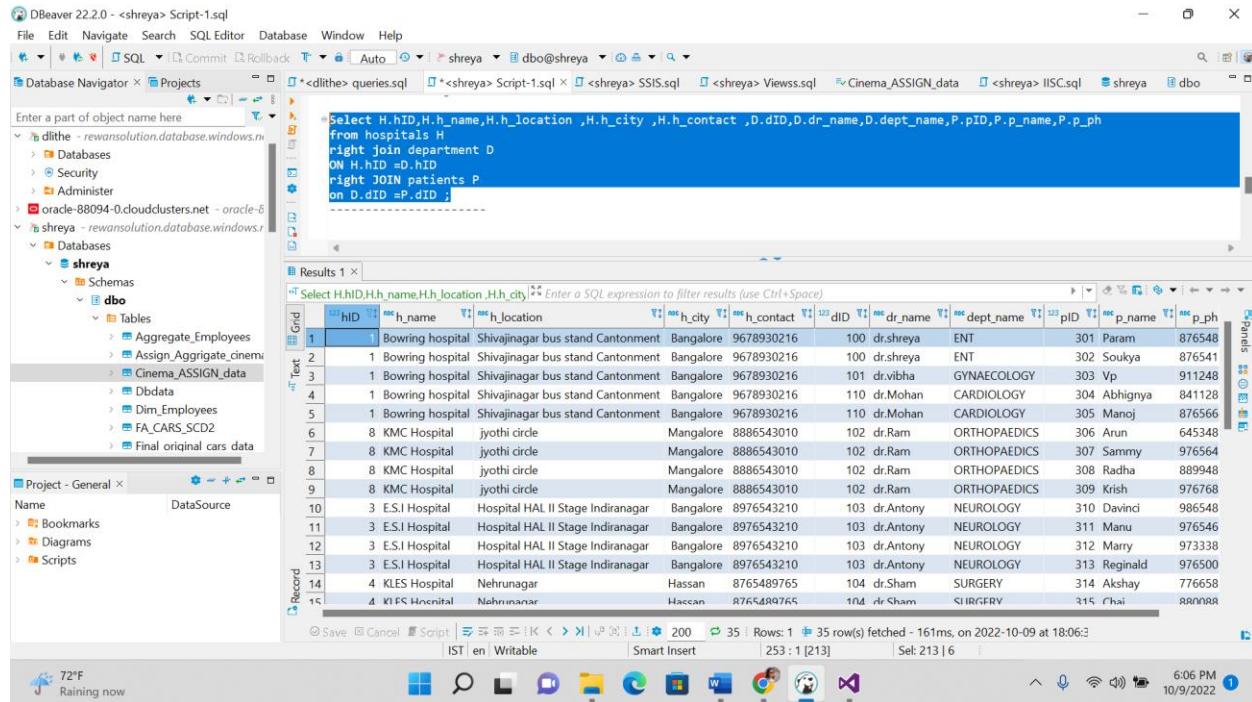
Select H.hID,H.h_name,D.D_ID,D.dr_name,D.dept_name,P.pID,P.p_name
from hospitals H
inner join department D
ON H.hID =D.hID
INNER JOIN patients P
on D.D_ID =P.D_ID ;

```

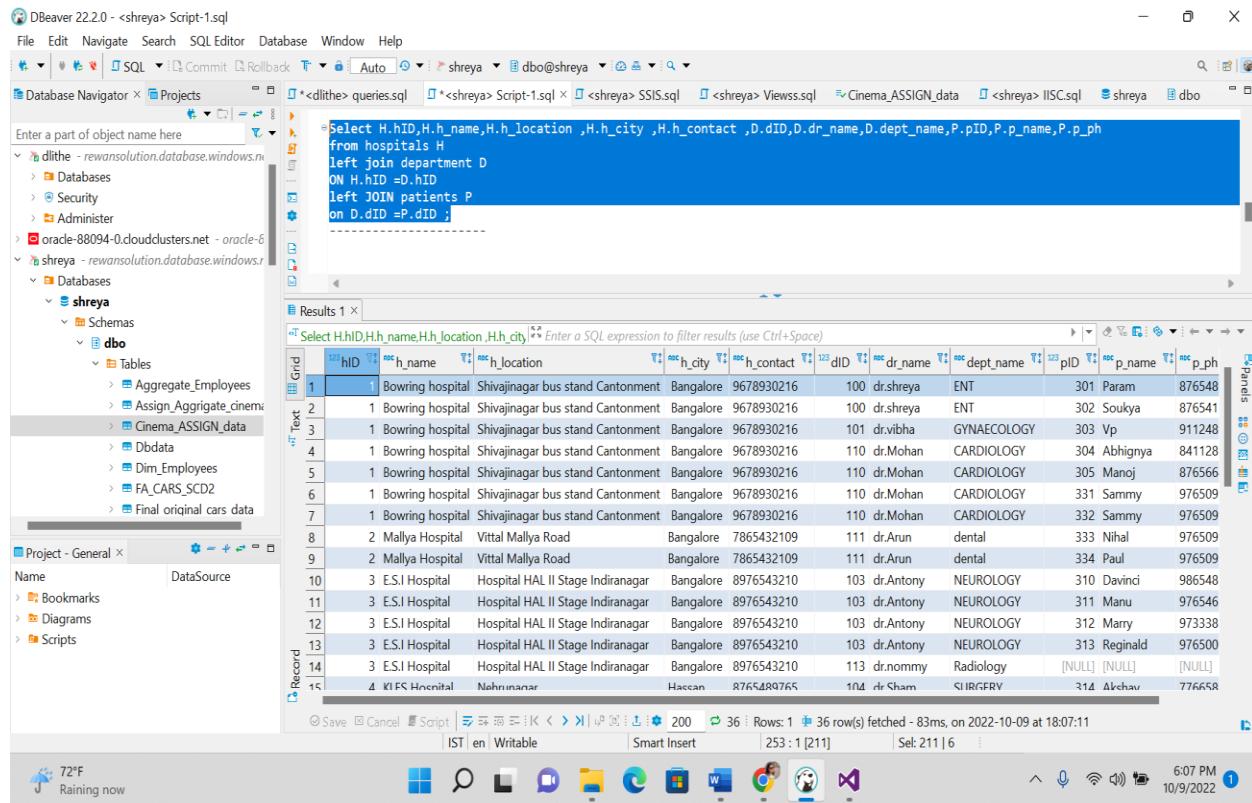
The Results tab displays the joined data:

H.hID	H.h_name	D.D_ID	D.dr_name	D.dept_name	P.pID	P.p_name
1	Bowring hospital	100	dr.shreya	ENT	301	Param
2	Bowring hospital	101	dr.vibha	ENT	302	Soukya
3	Bowring hospital	102	dr.Ram	GYNAECOLOGY	303	Vp
4	KMC Hospital	102	dr.Ram	ORTHOPAEDICS	306	Arun
5	KMC Hospital	102	dr.Ram	NEUROLOGY	307	Mary
6	KMC Hospital	102	dr.Ram	RADIOLOGY	308	Reginald
7	KMC Hospital	102	dr.Ram	SURGERY	309	Sammy
8	F.S.I Hospital	103	dr.Antony	ENT	310	Radha
9	F.S.I Hospital	103	dr.Antony	NEUROLOGY	311	Davinci
10	F.S.I Hospital	103	dr.Antony	RADIOLOGY	312	Manoja
11	F.S.I Hospital	103	dr.Antony	ORTHOPAEDICS	313	Chai
12	KLES Hospital	104	dr.Sham	NEUROLOGY	314	Nihal
13	KLES Hospital	104	dr.Sham	RADIOLOGY	315	Bihar
14	KLES Hospital	104	dr.Sham	ENT	316	Gerry
15	KLES Hospital	104	dr.Sham	ORTHOPAEDICS	317	Zooky

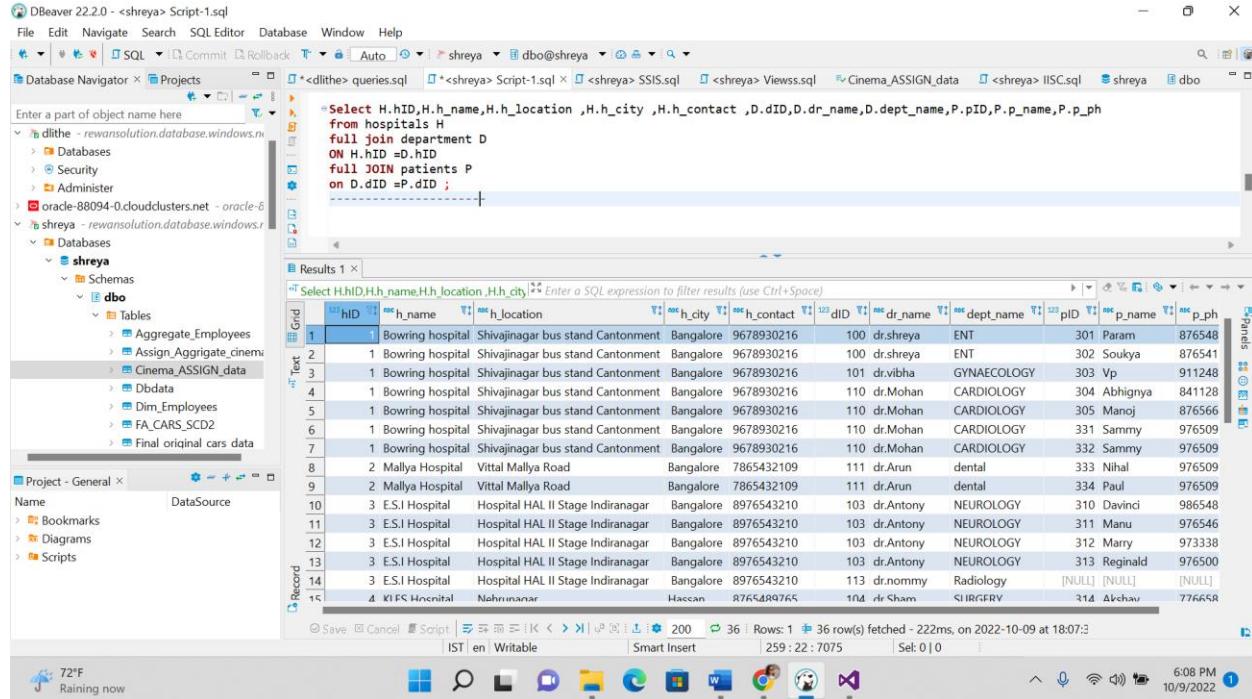
RIGHT JOIN



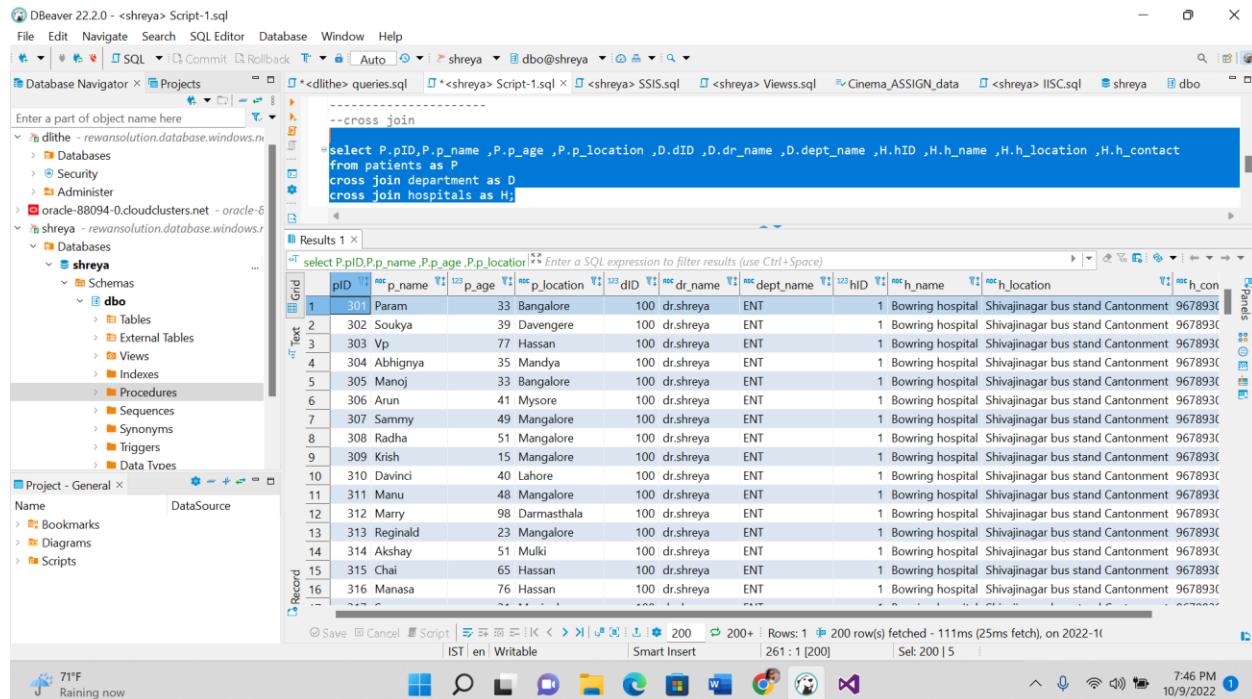
LEFT JOIN



FULL JOIN



CROSS JOIN



d) Create different views

SIMPLE VIEW

DBBeaver 22.2.0 - <shreya> Viewss.sql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator × Projects

Enter a part of object name here

---no of patients visited defined cities---

```
CREATE VIEW same_cities AS
SELECT p_location , count(pID) AS no_of_patients FROM patients
GROUP BY p_location
HAVING p_location = 'Mangalore' OR p_location = 'Bangalore' OR p_location = 'Delhi';

SELECT * FROM same_cities;
```

Results 1

p_location	no_of_patients
Bangalore	6
Delhi	1
Mangalore	8

Save Cancel Script | IST en Writable | Smart Insert | 200 | Rows: 1 | 3 row(s) fetched - 91ms, on 2022-10-09 at 19:48:26 | 10:1 [26] | Sel: 26 | 1 | 7:48 PM 10/9/2022

COMPLEX VIEW

DBBeaver 22.2.0 - <shreya> Viewss.sql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator × Projects

Enter a part of object name here

```
CREATE VIEW full_join AS
SELECT H.hID, H.h_name, D.dID, D.dr_name, P.pID, P.p_name
FROM hospitals H
FULL JOIN department D
ON H.hID = D.hID
FULL JOIN patients P
ON D.dID = P.dID;

SELECT * FROM full_join;
```

Results 1

hID	h_name	dID	dr_name	pID	p_name
1	Bowring hospital	100	dr.shreya	301	Param
2	Bowring hospital	100	dr.shreya	302	Soukya
3	Bowring hospital	101	dr.viloba	303	Vp
4	Bowring hospital	110	dr.Mohan	304	Abhignya
5	Bowring hospital	110	dr.Mohan	305	Manoj
6	Bowring hospital	110	dr.Mohan	331	Sammy
7	Bowring hospital	110	dr.Mohan	332	Sammy
8	Mallya Hospital	111	dr.Arun	333	Nihal
9	Mallya Hospital	111	dr.Arun	334	Paul
10	E.S.I Hospital	103	dr.Antony	310	Davinci
11	E.S.I Hospital	103	dr.Antony	311	Manu
12	E.S.I Hospital	103	dr.Antony	312	Marry
13	E.S.I Hospital	103	dr.Antony	313	Reginald
14	E.S.I Hospital	113	dr.nommy	[NULL]	[NULL]
15	KLES Hospital	104	dr.Sham	314	Akshay
16	KLES Hospital	104	dr.Sham	315	Chai

Save Cancel Script | IST en Writable | Smart Insert | 200 | Rows: 1 | 36 row(s) fetched - 91ms, on 2022-10-09 at 19:53:30 | 31:25:753 | Sel: 0 | 0 | 7:53 PM 10/9/2022

VIEW ON NO.OF PATIENTS WHO HAD A CHECK UP MORE THAN ONCE

DBeaver 22.2.0 - <shreya> Viewss.sql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator × Projects × <dlithe> queries.sql × <shreya> Script-1.s... × <shreya> SSIS.sql × <shreya> Viewss.sql × Cinema_ASSIGN_data × <shreya> IISCI.sql × shreya × dbo

Enter a part of object name here

```
----patient who had a check up more than once----

CREATE view multiple_checkup_patients as
select p_name ,count(pID) as repeated from patients group by p_name
having count(pID)>1;

SELECT * from multiple_checkup_patients;
```

Results 1 ×

p_name	repeated
Sammy	4

71°F Raining now 7:55 PM 10/9/2022

VIEW ON NO.OF DOCTORS WHO HAD NO CHECK ON ANY PATIENTS

DBeaver 22.2.0 - <shreya> Viewss.sql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator × Projects × <dlithe> queries.sql × <shreya> Script-1.s... × <shreya> SSIS.sql × <shreya> Viewss.sql × Cinema_ASSIGN_data × <shreya> IISCI.sql × shreya × dbo

Enter a part of object name here

```
-- dr_nocheckup source

create view dr_nocheckup as
select D.dID,D.dr_name,D.dept_name,P.pID
from patients P
right join department D on D.dID=P.dID where P.pID is NULL;

SELECT * from dr_nocheckup;
```

Results 1 ×

dID	dr_name	dept_name	pID
113	dr.nommy	Radiology	[NULL]

71°F Raining now 7:57 PM 10/9/2022

2. Using transaction table perform various operations (DDL,DML,DCL,TCL)

At least two data source or more, Refer to the data source

CREATE TABLE

DBBeaver 22.2.0 - <shreya> DDL,DML.sql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator × Projects

Enter a part of object name here

CREATE TABLE Assign_Query_CAR_SALES (

```
[SupplierID] float,
[SupplierAddress] nvarchar(255),
[SupplierName] nvarchar(255),
[SupplierContactDetails] nvarchar(255),
[ProductID] float,
[CarMaker] nvarchar(255),
[CarModel] nvarchar(255),
[CarColor] nvarchar(255),
[CarModelYear] float,
[CarPrice] float,
[CustomerID] nvarchar(255),
[CustomerName] nvarchar(255),
[Gender] nvarchar(255),
[JobTitle] nvarchar(255),
[PhoneNumber] nvarchar(255),
[EmailAddress] nvarchar(255),
[City] nvarchar(255),
[Country] nvarchar(255),
[CountryCode] nvarchar(255),
[State] nvarchar(255),
[CustomerAddress] nvarchar(255),
[OrderDate] float,
[OrderID] nvarchar(255),
[ShipDate] float,
[ShipMode] nvarchar(255),
[Shipping] nvarchar(255),
[PostalCode] float,
[Sales] float,
[Quantity] float,
[Discount] float,
[CreditCardType] nvarchar(255),
[CreditCard] float,
[CustomerFeedback] nvarchar(255)
);
```

Project - General ×

Name DataSource

Bookmarks

Diagrams

Scripts

IST | en | Writable | Smart Insert | 38 : 1 : 1042 | Sel: 0 | 0 | 8:05 PM | 10/9/2022

71°F Raining now

INSERT

DBBeaver 22.2.0 - <shreya> DDL,DML.sql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator × Projects

Enter a part of object name here

CREATE TABLE Assign_Query_CAR_SALES (

```
[ShipDate] float,
[ShipMode] nvarchar(255),
[Shipping] nvarchar(255),
[PostalCode] float,
[Sales] float,
[Quantity] float,
[Discount] float,
[CreditCardType] nvarchar(255),
[CreditCard] float,
[CustomerFeedback] nvarchar(255)
);
```

----DML
--insert

insert into Assign_Query_CAR_SALES values

```
(1002, '6 Carioca Trail', 'Vidoo', '159-34-3380', 3598, 'Mercury', 'Sable', 'Khaki', 1996, 562701.11, '48951-314';
(1003, '8 Carioca Trail', 'Vidoo', '159-34-3380', 3598, 'Mercury', 'Sable', 'Khaki', 1996, 562701.11, '48951-314';
(1004, '9 Carioca Trail', 'Vidoo', '159-34-3380', 3598, 'Mercury', 'Sable', 'Khaki', 1996, 562701.11, '48951-314');
```

Results 1 ×

	SupplierID	SupplierAddress	SupplierName	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelYear	OrderID
1	1,002	6 Carioca Trail	Vidoo	159-34-3380	3,598	Mercury	Sable	Khaki	1	
2	1,003	8 Carioca Trail	Vidoo	159-34-3380	3,598	Mercury	Sable	Khaki	1	
3	1,004	9 Carioca Trail	Vidoo	159-34-3380	3,598	Mercury	Sable	Khaki	1	

Save Cancel Script ⌘ S ⌘ F ⌘ E ⌘ K ⌘ L ⌘ R ⌘ P ⌘ D ⌘ T ⌘ C ⌘ V ⌘ B ⌘ 200 ⌘ 3 ⌘ Rows: 1 ⌘ 3 row(s) fetched - 92ms, on 2022-10-09 at 20:06:32

IST | en | Writable | Smart Insert | 54 : 1 : 2331 | Sel: 0 | 0 | 8:07 PM | 10/9/2022

71°F Raining now

ALTER

DBBeaver 22.2.0 - <shreya> DDL,DML.sql

```
File Edit Navigate Search SQL Editor Database Window Help
Database Navigator Projects Auto_ shreya dbo@shreya
Enter a part of object name here
dilthe - rewsolutions.database.windows.net
  Databases Security Administrator
oracle-88094-0.cloudclusters.net - oracle-6
  Databases
    shreya
      Schemas
        dbo
          Tables External Tables Views Indexes Procedures Sequences Synonyms Triggers Data Types
      ...
Project - General
Name DataSource
  Bookmarks Diagrams Scripts
  71°F Raining now
```

```
insert into Assign_Query_CAR_SALES values
(1002, '6 Carioca Trail', 'Vidoo', '159-34-3380', 3598, 'Mercury', 'Sable', 'Khaki', 1996, 562701.11 , '48951-314';
(1003, '8 Carioca Trail', 'Vidoo', '159-34-3380', 3598, 'Mercury', 'Sable', 'Khaki', 1996, 562701.11 , '48951-314;
(1004, '9 Carioca Trail', 'Vidoo', '159-34-3380', 3598, 'Mercury', 'Sable', 'Khaki', 1996, 562701.11 , '48951-314;
```

```
alter table Assign_Query_CAR_SALES
add owner_name nvarchar;
select * from Assign_Query_CAR_SALES ;
```

Results 1

Name	PostalCode	Sales	Quantity	Discount	CreditCardType	CreditCard	CustomerFeedback	owner_name
1	46,614	885,826.68	1	0.78	maestro	5,020,000,000,000,000	Very Bad	[NULL]
2	46,614	885,826.68	1	0.78	maestro	5,020,000,000,000,000	Very Bad	[NULL]
3	46,614	885,826.68	1	0.78	maestro	5,020,000,000,000,000	Very Bad	[NULL]

Save Cancel Script IST en Writable Smart Insert 200 3 Rows: 1 3 row(s) fetched - 89ms, on 2022-10-09 at 20:09:43 60: 1 [105] Sel: 105 | 4 8:01 PM 10/9/2022

UPDATE

DBBeaver 22.2.0 - <shreya> DDL,DML.sql

```
File Edit Navigate Search SQL Editor Database Window Help
Database Navigator Projects Auto_ shreya dbo@shreya
Enter a part of object name here
dilthe - rewsolutions.database.windows.net
  Databases Security Administrator
oracle-88094-0.cloudclusters.net - oracle-6
  Databases
    shreya
      Schemas
        dbo
          Tables External Tables Views Indexes Procedures Sequences Synonyms Triggers Data Types
      ...
Project - General
Name DataSource
  Bookmarks Diagrams Scripts
  71°F Raining now
```

```
--update
update Assign_Query_CAR_SALES
set SupplierName = 'shreya'
where SupplierID =1002;

select * from Assign_Query_CAR_SALES ;
```

```
--delete
delete from Assign_Query_CAR_SALES
where SupplierID =1004;
```

```
--RENAME
alter table Assign_Query_CAR_SALES
RENAME COLUMN SupplierID TO Supplier__ID

EXEC SP_RENAME 'Assign_Query_CAR_SALES ', 'Assign_Query_CAR_SALES '
```

```
--TRUNCATE
```

Results 1

SupplierID	SupplierAddress	SupplierName	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelYear
1	6 Carioca Trail	shreya	159-34-3380	3,598	Mercury	Sable	Khaki	1
2	1,003 8 Carioca Trail	Vidoo	159-34-3380	3,598	Mercury	Sable	Khaki	1
3	1,004 9 Carioca Trail	Vidoo	159-34-3380	3,598	Mercury	Sable	Khaki	1

Save Cancel Script IST en Writable Smart Insert 200 3 Rows: 1 3 row(s) fetched - 88ms, on 2022-10-09 at 20:11:03 76: 1 [126] Sel: 126 | 5 8:11 PM 10/9/2022

DELETE

DBBeaver 22.2.0 - <shreya> DDL,DML.sql

```
File Edit Navigate Search SQL Editor Database Window Help
Database Navigator Projects Auto_ shreya dbo@shreya
Enter a part of object name here
dilthe - rewsolutions.database.windows.net
  Databases Security Administrator
oracle-88094-0.cloudclusters.net - oracle-6
  Databases
    shreya
      Schemas
        dbo
          Tables External Tables Views Indexes Procedures Sequences Synonyms Triggers Data Types
      ...
Project - General
Name DataSource
  Bookmarks Diagrams Scripts
  71°F Raining now
```

```
--update
update Assign_Query_CAR_SALES
set SupplierName = 'shreya'
where SupplierID =1002;

select * from Assign_Query_CAR_SALES ;
```

```
--delete
delete from Assign_Query_CAR_SALES
where SupplierID =1004;
```

```
--select
select * from Assign_Query_CAR_SALES ;
```

```
--RENAME
alter table Assign_Query_CAR_SALES
RENAME COLUMN SupplierID TO Supplier__ID

EXEC SP_RENAME 'Assign_Query_CAR_SALES ', 'Assign_Query_CAR_SALES '
```

Results 1

SupplierID	SupplierAddress	SupplierName	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelYear
1	6 Carioca Trail	shreya	159-34-3380	3,598	Mercury	Sable	Khaki	1,99
2	1,003 8 Carioca Trail	Vidoo	159-34-3380	3,598	Mercury	Sable	Khaki	1,99

Save Cancel Script IST en Writable Smart Insert 200 2 Rows: 1 2 row(s) fetched - 90ms, on 2022-10-09 at 20:12:15 83: 1 [104] Sel: 104 | 4 8:12 PM 10/9/2022

RENAME

DBeaver 22.2.0 - <shreya> DDL,DMLsql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator Projects

Enter a part of object name here

Auto_ shreya dbo@shreya

```
--update
update Assign_Query_CAR_SALES
set SupplierName = 'shreya'
where SupplierID =1002;

select * from Assign_Query_CAR_SALES ;

---delete
delete from Assign_Query_CAR_SALES
where SupplierID =1004;

select * from Assign_Query_CAR_SALES ;

--RENAME
alter table Assign_Query_CAR_SALES
RENAME COLUMN SupplierID TO Supplier_ID

EXEC SP_RENAME 'Assign_Query_CAR_SALES ', 'Assign_Query_CAR_SALES ';
```

--TRUNCATE
TRUNCATE TABLE Assign_Query_CAR_SALES ;
select * from Assign_Query_CAR_SALES ;

Project - General

Name DataSource

Bookmarks Diagrams Scripts

Statistics 1

Name	Value
Updated Rows	-1
	EXEC SP_RENAME 'Assign_Query_CAR_SALES ', 'Assign_Query_CAR_SALES '
Finish time	Sun Oct 09 20:14:10 IST 2022

71°F Raining now 8:14 PM 10/9/2022

TRUNCATE

DBeaver 22.2.0 - <shreya> DDL,DMLsql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator Projects

Enter a part of object name here

Auto_ shreya dbo@shreya

```
--update
update Assign_Query_CAR_SALES
set SupplierName = 'shreya'
where SupplierID =1002;

select * from Assign_Query_CAR_SALES ;

---delete
delete from Assign_Query_CAR_SALES
where SupplierID =1004;

select * from Assign_Query_CAR_SALES ;

--RENAME
alter table Assign_Query_CAR_SALES
RENAME COLUMN SupplierID TO Supplier_ID

EXEC SP_RENAME 'Assign_Query_CAR_SALES ', 'Assign_Query_CAR_SALES ';
```

--TRUNCATE
TRUNCATE TABLE Assign_Query_CAR_SALES ;
select * from Assign_Query_CAR_SALES ;

--DROP

Results 1

SupplierID	SupplierAddress	SupplierName	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelYear

select * from Assign_Query_CAR_SALES Enter a SQL expression to filter results (use Ctrl+Space)

Grid 0 Rows: 0 No data- 145ms, on 2022-10-09 at 20:14:52

Text 97: 39 [81] Set 81 | 3

72°F Rain to stop 8:15 PM 10/9/2022

DROP

The screenshot shows the DBBeaver interface. In the top navigation bar, 'File', 'Edit', 'Navigate', 'Search', 'SQL Editor', 'Database', 'Window', and 'Help' are visible. The main area displays a SQL script:

```
*<dlthe> queries... *<shreya> Script... *<shreya> SSIS.sql *<shreya> Viewss... Cinema_ASSIGN.da... <shreya> IISC.sql *<shreya> DDL.DML...  
--  
set SupplierName = 'shreya'  
where SupplierID =1002;  
  
select * from Assign_Query_CAR_SALES ;  
  
---delete  
delete from Assign_Query_CAR_SALES  
where SupplierID =1004;  
  
select * from Assign_Query_CAR_SALES ;  
  
---RENAME  
alter table Assign_Query_CAR_SALES  
RENAME COLUMN SupplierID TO Supplier_ID  
  
EXEC SP_RENAME 'Assign_Query_CAR_SALES ', 'Assign_Query_CAR_SALES '  
  
---TRUNCATE  
TRUNCATE TABLE Assign_Query_CAR_SALES ;  
  
select * from Assign_Query_CAR_SALES ;  
  
---DROP  
DROP TABLE Assign_Query_CAR_SALES;
```

The 'Project - General' panel on the left shows a single item named 'DataSource'. The 'Statistics 1' panel at the bottom contains the following table:

Name	Value
Updated Rows	0
Query	DROP TABLE Assign_Query_CAR_SALES;
Finish time	Sun Oct 09 20:15:13 IST 2022

The status bar at the bottom right shows '8:15 PM 10/9/2022'.

Module 2 SSIS:

Entry criteria: Transactions tables created in Module 1, task 2

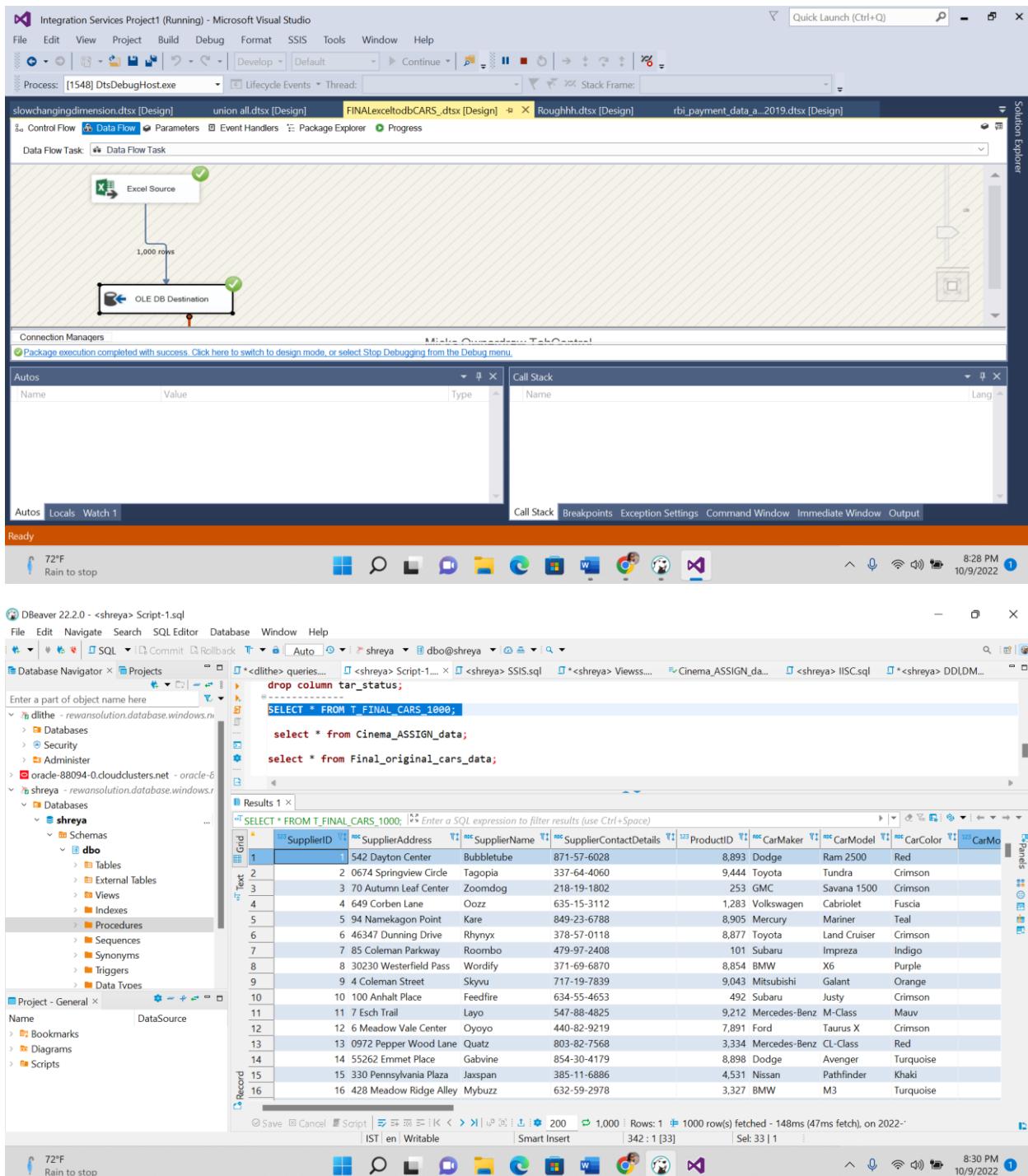
1. Make connection to different data source (Oracle DB, Flatfile, SQL Server)
2. Extract
3. Transform
4. Load to new target system - SQL Server

1. EXCEL TO DB

The screenshot shows a Microsoft Excel spreadsheet titled 'FINAL_1000_CARS'. The table has the following columns:

	Q	R	S	T	U	V	W	X	Y	
1	EmailAddress	City	Country	CountryCode	State	CustomerAddress	OrderDate	OrderID	ShipDate	ShipMode
2	lphinsche0@comcast.net	Bangalore	India	US	Alaska	1 Independence Circle	43450	0268-6694	43538	Standard Class
3	amanuel1@usnews.com	Mysore	India	US	Minnesota	209 Lerdahl Alley	43509	0699-5728	43530	Standard Class
4	aewigell2@nature.com	Chicago	United States	US	Illinois	1803 Evergreen Trail	43328	42043-251	43485	Second Class
5	fgunston3@mozilla.org	Orlando	United States	US	Florida	9682 Warbler Terrace	43518	57520-1044	43540	First Class
6	afilipi4@webs.com	Detroit	United States	US	Michigan	5751 Tony Avenue	43349	36987-3308	43494	Second Class
7	wpiche5@deviantart.com	Atlanta	United States	US	Georgia	26066 Valley Edge Parkway	43328	11822-0580	43548	Standard Class
8	falbert6@google.com.br	Boston	United States	US	Massachusetts	6079 Rowland Pass	43540	24909-111	43489	Same Day
9	owittman7@nps.gov	Charleston	United States	US	West Virginia	0 Sach's Court	43281	49527-013	43466	Second Class
10	kcalvey8@google.cn	Phoenix	United States	US	Arizona	0 Maywood Center	43408	52125-325	43481	First Class
11	alandsborough9@chron.com	San Jose	United States	US	California	04 Knutson Drive	43428	45802-283	43520	Standard Class
12	ddodgshuna@imgur.com	Newark	United States	US	New Jersey	8104 Colorado Avenue	43608	50563-202	43553	Same Day
13	bdevelves@zimbio.com	Syracuse	United States	US	New York	7265 Buell Trail	43436	60512-1035	43605	Same Day
14	ldivelic@blog.com	Charleston	United States	US	West Virginia	26 Mitchell Center	43633	54868-6162	43486	Second Class
15	dhaelgraved@theatlantic.com	Topeka	United States	US	Kansas	25 Dapin Lane	43580	57955-8315	43602	First Class
16	cwreakese@mtv.com	Washington	United States	US	District of Columbia	9 Nelson Parkway	43324	58118-0404	43472	Same Day
17	emanvillef@shareasale.com	Chattanooga	United States	US	Tennessee	98287 Tennessee Place	43437	65862-082	43617	Same Day
18	mzanettig@dropbox.com	Dayton	United States	US	Ohio	68 Prairieview Way	43318	50169-0005	43517	Same Day
19	jproudmanh@independent.co.uk	Appleton	United States	US	Wisconsin	064 Everett Circle	43570	49404-204	43605	Same Day
20	ldundini@hc360.com	Murfreesboro	United States	US	Tennessee	8972 Rieder Terrace	43619	0363-0459	43585	First Class
21	tduckj@mapquest.com	Annapolis	United States	US	Maryland	90 Mendota Park	43416	57955-2282	43548	Standard Class
22	bcatthk@parineedalle.it	Bloomington	United States	US	Indiana	618 Bunting Court	43437	28107-003	43616	Second Class

The status bar at the bottom right shows '8:31 PM 10/9/2022'.



2. EXCEL TO FLAT FILE USING ANOTHER DATA SOURCE

AutoSave off CinemaTicket_Ref_Entertainment - Protected View Search (Alt+Q) Shreya V sv

File Home Insert Page Layout Formulas Data Review View Help

PROTECTED VIEW Be careful—files from the Internet can contain viruses. Unless you need to edit, it's safer to stay in Protected View. Enable Editing

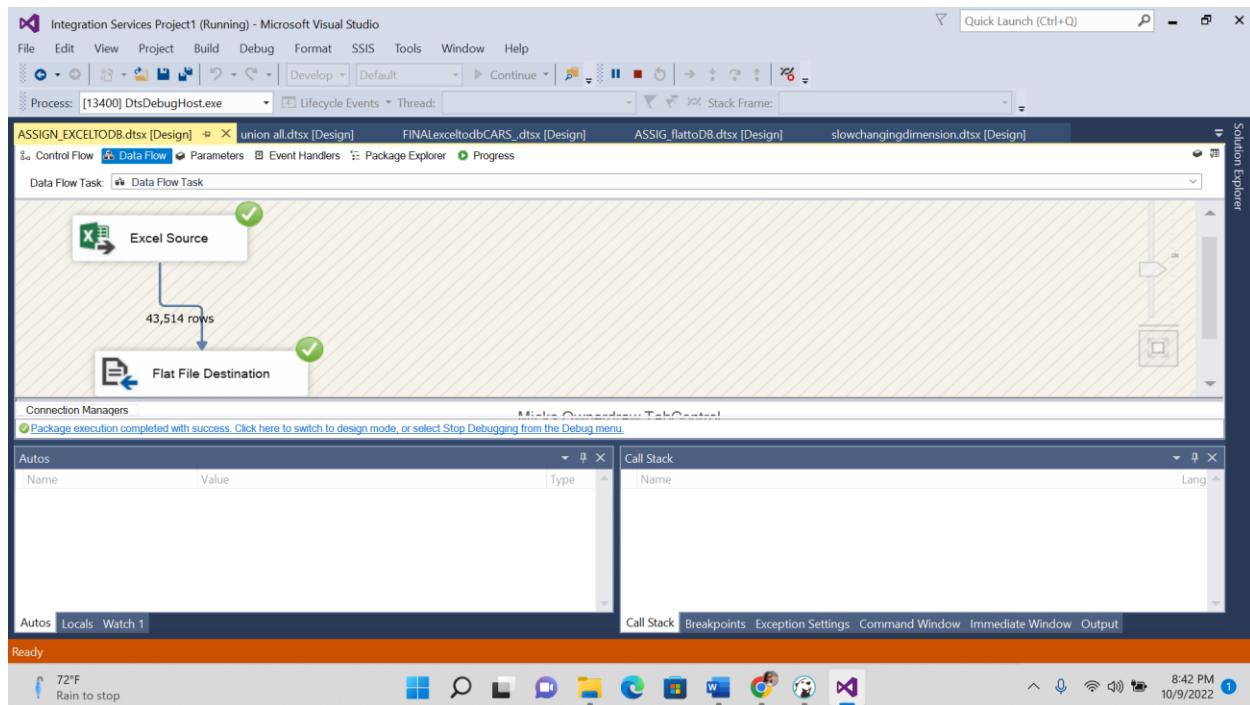
A1 Film_Type

Film_Type	film_code	cinema_code	total_sales	tickets_sold	tickets_out	show_time	occu_perc	ticket_price	ticket_use	capacity	date	month	quarter	day
Romance	1492	304	3900000	26	0	4	4.26	150000	26	610	43225	5	2	5
Romance	1492	352	3360000	42	0	5	8.08	80000	42	520	43225	5	2	5
Romance	1492	489	2560000	32	0	4	20	80000	32	160	43225	5	2	5
Romance	1492	429	1200000	12	0	1	11.01	100000	12	109	43225	5	2	5
Romance	1492	524	1200000	15	0	3	16.67	80000	15	90	43225	5	2	5
Romance	1492	71	1050000	7	0	3	0.98	150000	7	714	43225	5	2	5
Romance	1492	163	1020000	10	0	3	7.69	102000	10	130	43225	5	2	5
Romance	1492	450	750000	5	0	3	1.57	150000	5	318	43225	5	2	5
Romance	1492	51	750000	11	0	2	0.95	68181.81818	11	1158	43225	5	2	5
Romance	1492	522	600000	4	0	3	1.55	150000	4	258	43225	5	2	5
Romance	1492	43	480000	6	0	3	0.44	80000	6	1364	43225	5	2	5
Romance	1492	529	480000	4	0	3	2.96	120000	4	135	43225	5	2	5
Romance	1492	82	400000	5	0	6	0.53	80000	5	943	43225	5	2	5
Romance	1492	344	300000	2	0	3	0.25	150000	2	800	43225	5	2	5
Romance	1492	73	240000	2	0	1	2.04	120000	2	98	43225	5	2	5
Romance	1492	304	16500000	112	0	4	18.33	147321.4286	112	611	43224	5	2	4
Romance	1492	352	13950000	93	0	5	10.57	150000	93	880	43224	5	2	4
Romance	1492	344	10200000	68	0	3	8.54	150000	68	796	43224	5	2	4
Romance	1492	71	6600000	44	0	3	6.14	150000	44	717	43224	5	2	4
Romance	1492	163	3360000	31	0	3	24.8	108387.0968	31	125	43224	5	2	4
Romance	1492	522	3000000	20	0	3	7.75	150000	20	258	43224	5	2	4
Romance	1492	485	2400000	16	0	3	11.59	150000	16	138	43224	5	2	4
Romance	1492	524	1800000	12	0	3	13.33	150000	12	90	43224	5	2	4
Romance	1492	518	1680000	14	1	3	8.48	120000	13	165	43224	5	2	4
Romance	1492	51	1400000	17	0	1	2.93	82352.94118	17	580	43224	5	2	4

CinemaTicket_Ref_Entertainment

Ready

72°F Rain to stop 8:35 PM 10/9/2022



CINEMA_ORIGINAL_CINEMA - Notepad

File Edit View

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Ln 1, Col 1 100% Windows (CRLF) UTF-8

72°F Rain to stop 8:42 PM 10/9/2022

3.FLAT FILE TO DB

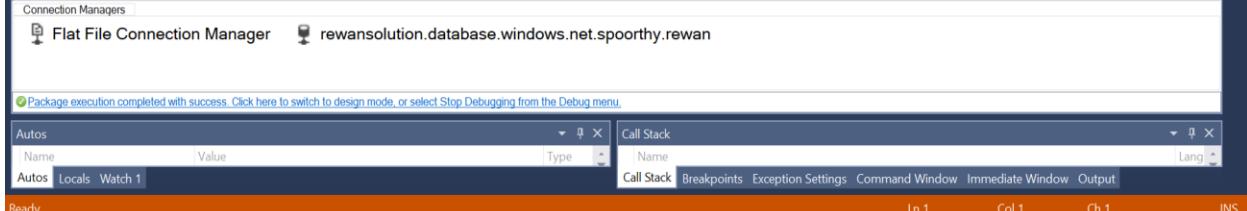
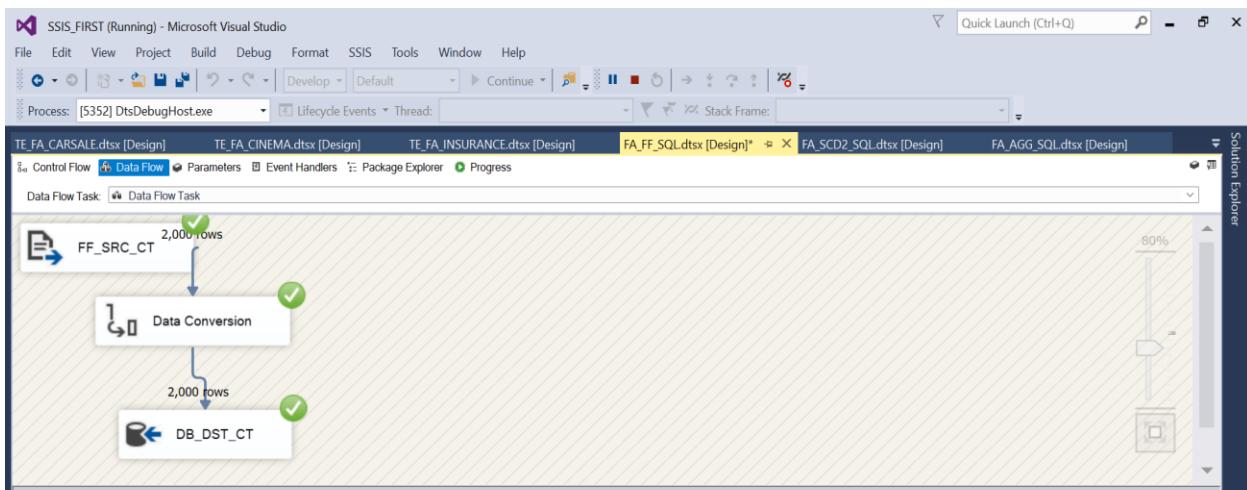
CINEMA_ORIGINAL_CINEMA - Notepad

File Edit View

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Romance,1492,448,1350000,9,0,2,3700000000000001,150000,9,380,43224,5,2,4
Romance,1492,429,1200000,12,0,1,11,01,100000,12,109,43224,5,2,4
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Romance,1492,43,880000,11,0,3,0,8100000000000005,80000,11,1358,43224,5,2,4
Romance,1492,431,720000,6,0,2,11,5399999999999999,120000,6,52,43224,5,2,4
Romance,1492,529,600000,5,0,2,5,5599999999999996,120000,5,90,43224,5,2,4
Romance,1492,82,160000,2,0,6,0,2099999999999999,80000,2,952,43224,5,2,4
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Ln 1, Col 1 100% Windows (CRLF) UTF-8

72°F Rain to stop 8:42 PM 10/9/2022



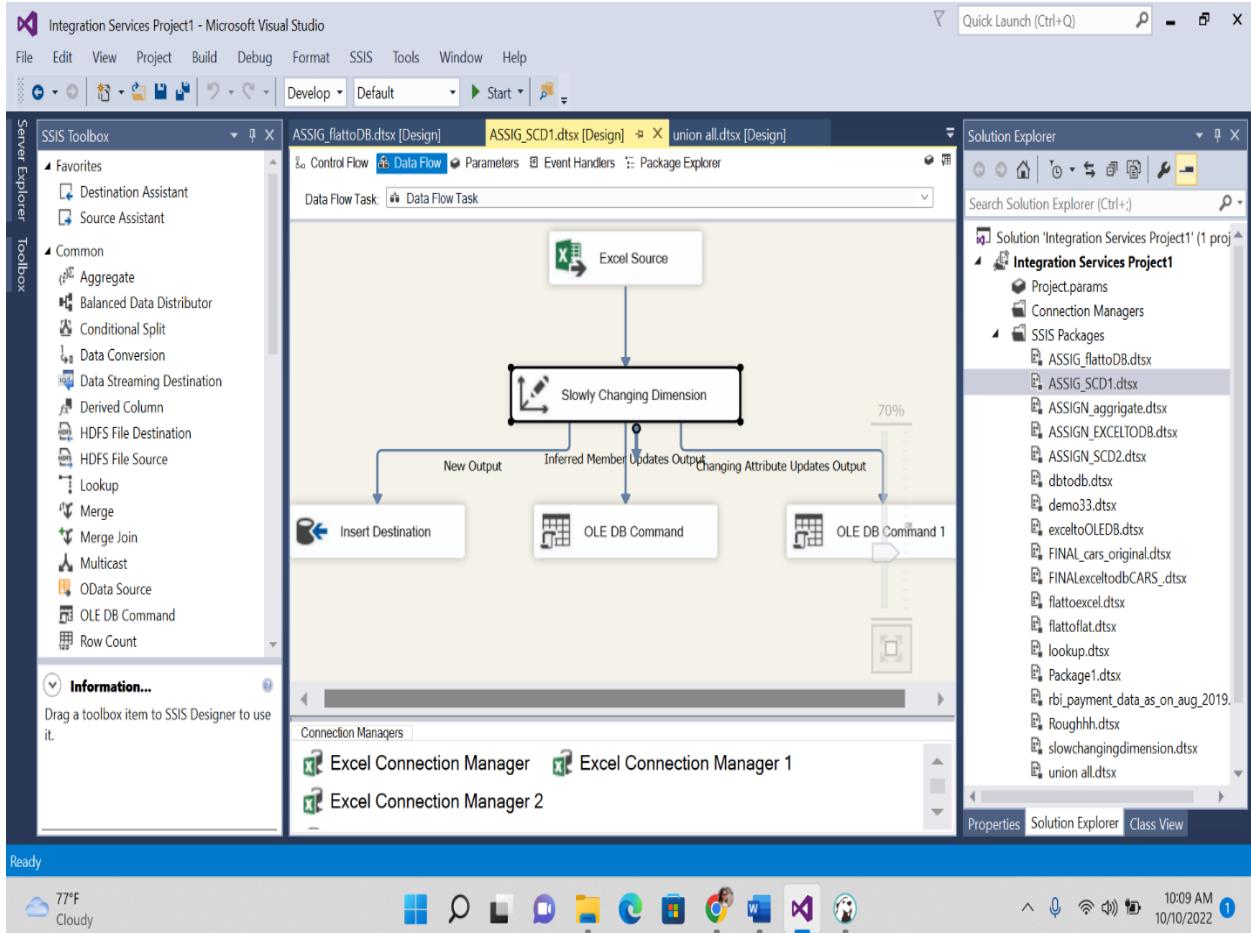
5. Perform SCD 1; SCD2 dimension table modelling.

SCD1

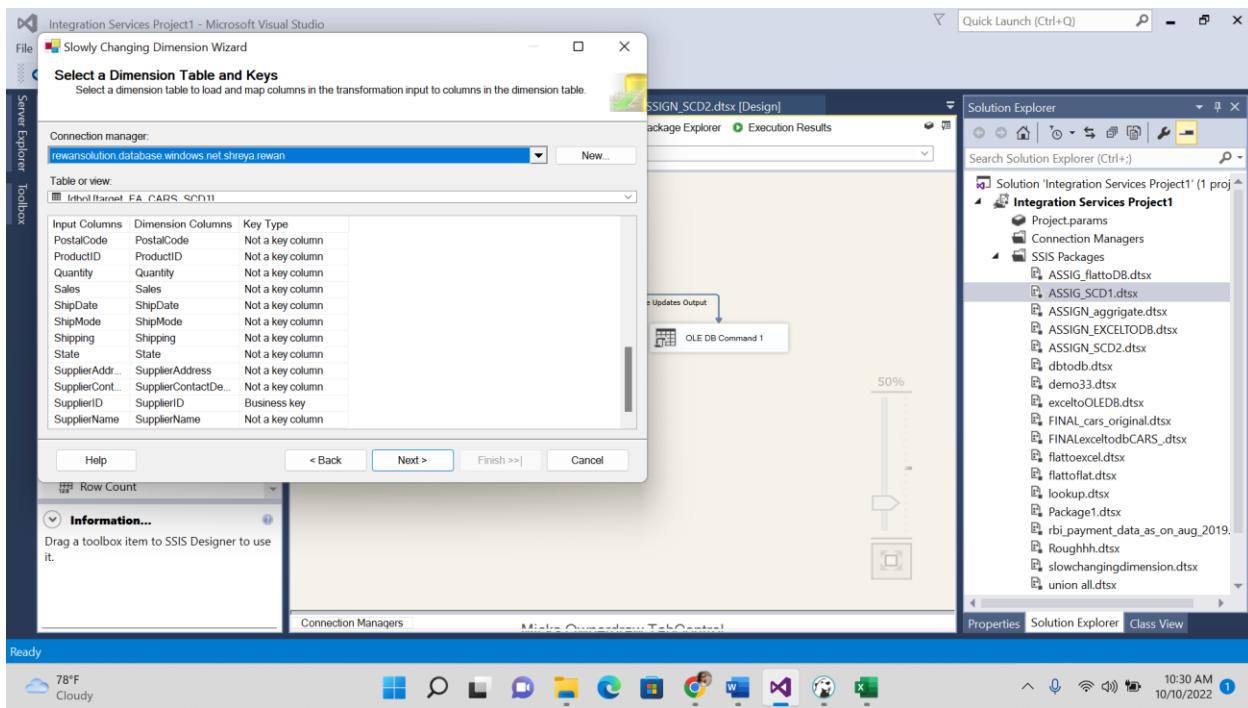
Source table- CarSalesShipmentDatasource_original

	A	B	C	D	E	F	G	H	I	J	K
1	SupplierID	SupplierAddress	SupplierName	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelYear	CarPrice	CustomerID
2	1	542 Dayton Center	Bubbletube	871-57-6028	8893	Dodge	Ram 2500	Goldenrod	2007	521963.45	60760-224
3	2	0674 Springview Circle	Tagopia	337-64-4060	9444	Toyota	Tundra	Crimson	2010	672222.04	67457-594
4	3	70 Autumn Leaf Center	Zoomdog	218-19-1802	253	GMC	Savana 1500	Crimson	2011	504465.72	58411-135
5	4	649 Corben Lane	Oozz	635-15-3112	1283	Volkswagen	Cabriolet	Fuscia	1990	646077.11	0591-5307
6	5	94 Nakekagon Point	Kare	849-23-6788	8905	Mercury	Mariner	Teal	2009	699890.24	51655-189
7	6	46347 Dunning Drive	Rhynyx	378-57-0118	8877	Toyota	Land Cruiser	Crimson	2005	694373.94	65811-0001
8	7	85 Coleman Parkway	Roombo	479-97-2408	101	Subaru	Impreza	Indigo	1999	546977.55	31722-328
9	8	30230 Westerfield Pass	Wordify	371-69-6870	8854	BMW	X6	Purple	2013	528353.8	54162-018
10	9	4 Coleman Street	Skyvu	717-19-7839	9043	Mitsubishi	Galant	Orange	2011	706964.35	44911-0060
11	10	100 Anhalt Place	Feedfire	634-55-4653	492	Subaru	Justy	Crimson	1988	798573.59	54868-5732
12	11	7 Esch Trail	Layo	547-88-4825	9212	Mercedes-Benz	M-Class	Mauv	2002	722114.57	0955-1015
13	12	6 Meadow Vale Center	Oyoyo	440-82-9219	7891	Ford	Taurus X	Crimson	2008	761182.85	54838-101
14	13	0972 Pepper Wood Lane	Quatz	803-82-7568	3334	Mercedes-Benz	CL-Class	Red	2011	568015.89	49825-119
15	14	55262 Emmet Place	Gabvine	854-30-4179	8898	Dodge	Avenger	Turquoise	2008	646591.02	54799-504
16	15	330 Pennsylvania Plaza	Jaxspan	385-11-6886	4531	Nissan	Pathfinder	Khaki	2002	670304.84	43742-0059
17	16	428 Meadow Ridge Alley	Mybuzz	632-59-2978	3327	BMW	M3	Turquoise	2009	728986.85	68788-9728
18	17	26 Stuart Court	Gabcube	236-54-6347	7975	Mercedes-Benz	R-Class	Puce	2009	665854.24	0228-2672
19	18	73 Beifuss Road	Lazz	329-80-2609	7029	Honda	FCX Clarity	Yellow	2012	707705.42	21695-215
20	19	9 Lukken Way	Buzzdog	351-97-3917	2373	Toyota	Corolla	Aquamarine	2004	563380.63	37000-352
21	20	411 Coleman Circle	Yodel	298-99-8758	5839	Ford	Tempo	Turquoise	1988	686028.43	49288-0606
22	21	88 Katie Way	Innoiam	188-55-0225	1459	Mercedes-Benz	SL-Class	Turauoise	2009	526717.03	49693-1801

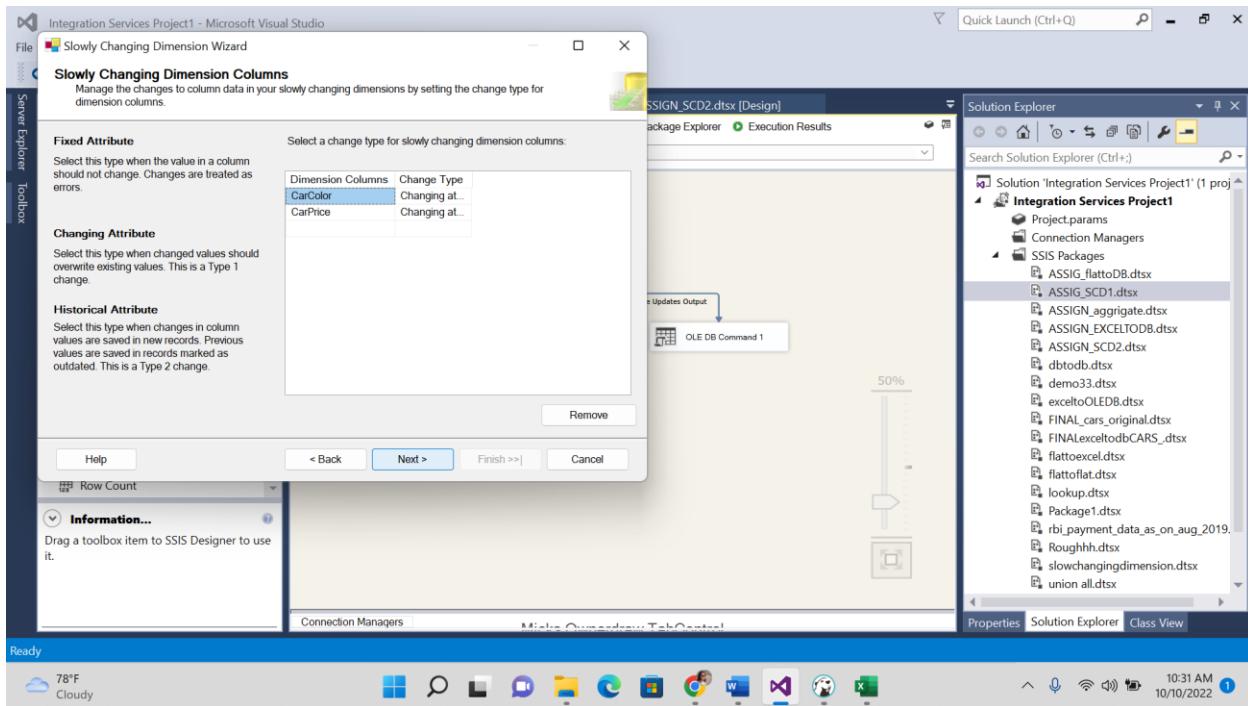
Performing SCD1



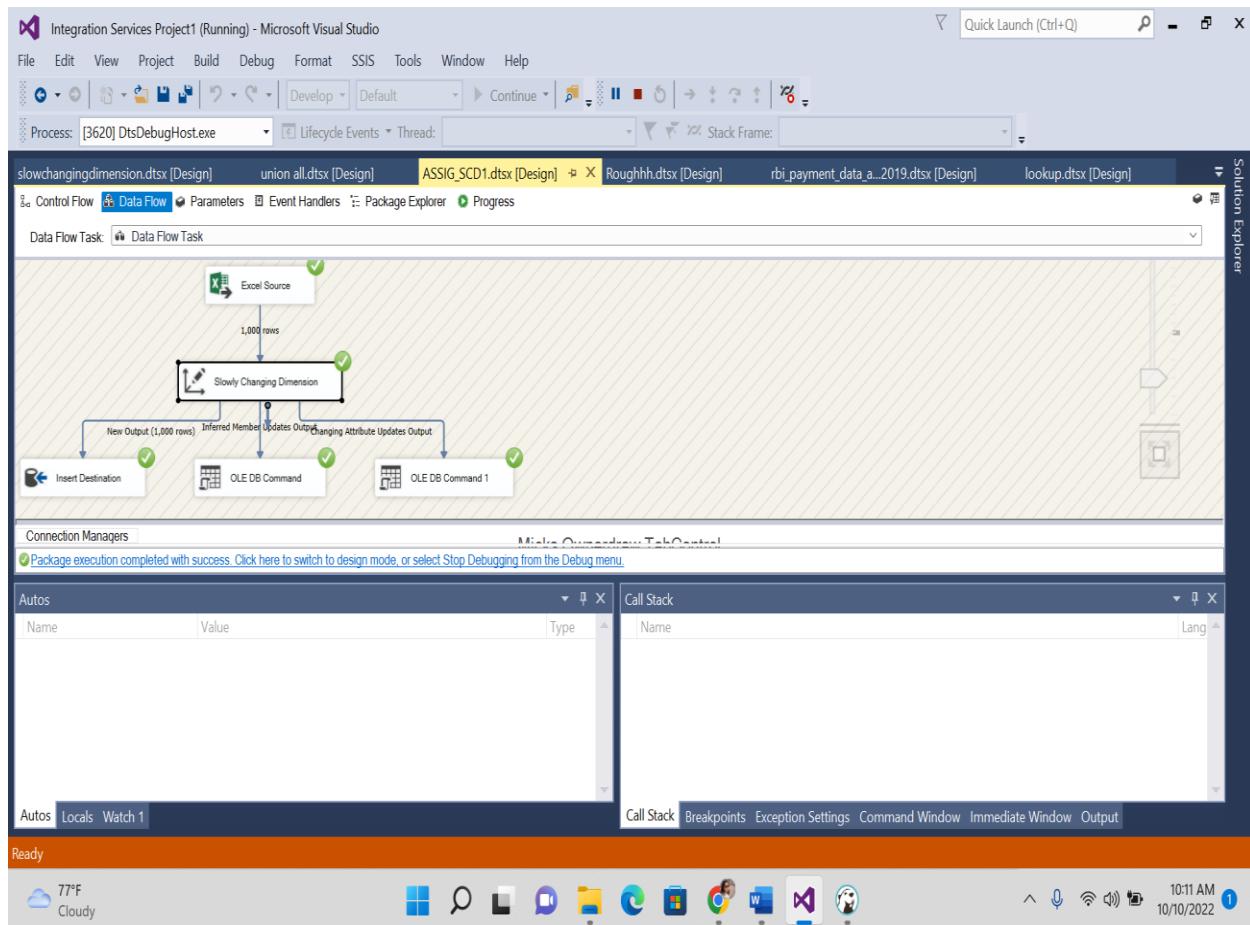
Setting the values



Setting CarColor and CarPrice attribute as changing attributes.



Executing the package.



DB output.

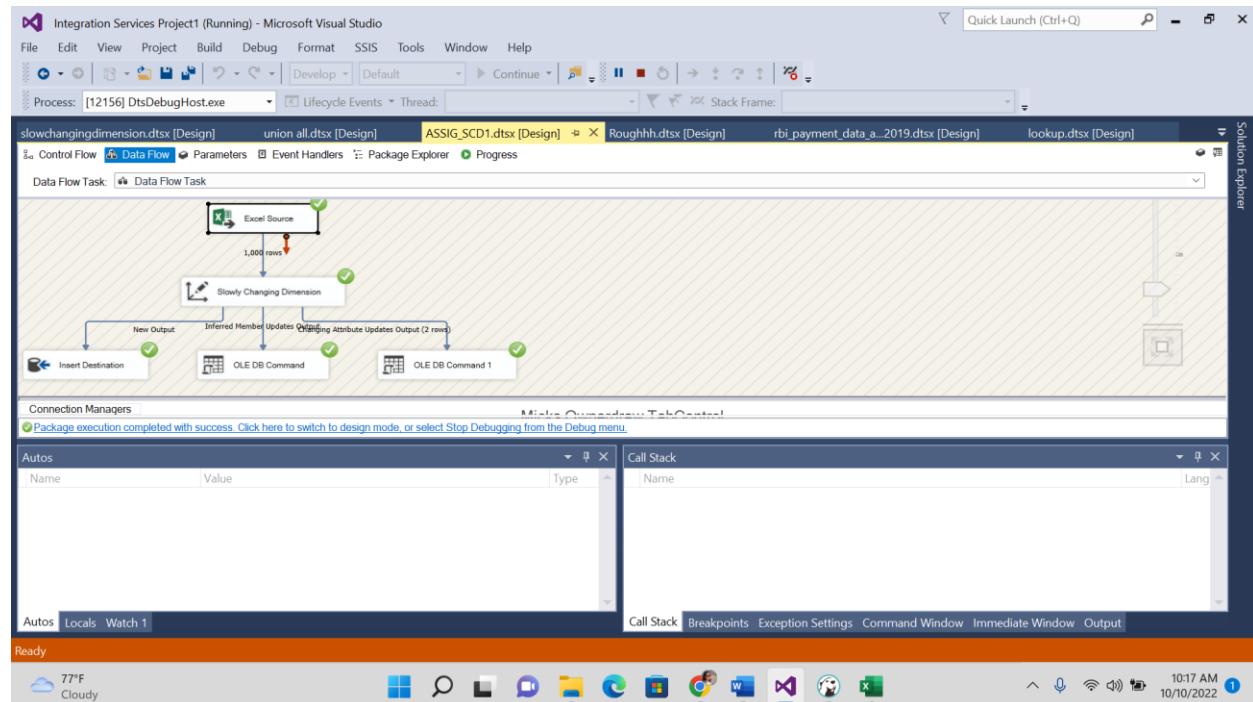
CHANGING THE VALUES OF

CAR COLOR =PINK AND CARPRICE = 11111.77 WHERE SUPPLIER_ID=1,

CAR COLOR =WHITE WHERE SUPPLIER_ID=2 IN SOURCE FILE.

	SupplierContactDetails	ProductId	CarMaker	CarModel	CarColor	CarModelYear	CarPrice	CustomerID	CustomerName	Gender	JobTitle
1	SupplierContactDetails	8893	Dodge	Ram 2500	PINK	2007	11111.77	60760-224	Louie Hinsche	Male	Mechanical Systems Engineer
2	871-57-6028	9444	Toyota	Tundra	WHITE	2010	672222.04	67457-594	Alexandros Manuel	Male	Structural Engineer
3	337-64-4060	253	GMC	Savana 1500	Crimson	2011	504465.72	58411-135	Alvie Weighell	Male	Systems Administrator III
4	218-19-1802	1283	Volkswagen	Cabriolet	Fuscia	1990	646077.11	0591-5307	Flint Gunston	Male	Operator
5	635-15-3112	8905	Mercury	Mariner	Teal	2009	699890.24	51655-189	Alyssa Filpi	Female	Software Engineer III
6	849-23-6788	8877	Toyota	Land Cruiser	Crimson	2005	694373.94	65811-0001	Witt Piche	Male	Professor
7	378-57-0118	101	Subaru	Impreza	Indigo	1999	546977.55	31722-328	Findlay Alberti	Male	Biostatistician III
8	479-97-2408	8854	BMW	X6	Purple	2013	528353.8	54162-018	Ottlie Wittman	Female	Administrative Officer
9	371-69-6870	9043	Mitsubishi	Galant	Orange	2011	706964.39	44911-0060	Kirsten Calvey	Female	Assistant Manager
10	717-19-7839	492	Subaru	Justy	Crimson	1988	798573.59	54868-5732	Archer Landsborough	Male	Speech Pathologist
11	634-55-4653	9212	Mercedes-Benz	M-Class	Mauv	2002	722114.57	0955-1015	Duff Dodgshun	Male	Developer I
12	547-88-4825	7891	Ford	Taurus X	Crimson	2008	761182.85	54838-101	Barry Delves	Female	Analog Circuit Design manager
13	440-82-9219	3334	Mercedes-Benz	CL-Class	Red	2011	568015.89	49825-119	Libbey Divell	Female	VP Sales
14	803-82-7568	8898	Dodge	Avenger	Turquoise	2008	646591.02	54799-504	Demetria Hazelgrove	Female	Human Resources Assistant IV
15	854-30-4179	4531	Nissan	Pathfinder	Khaki	2002	670304.84	43742-0059	Creigh Wreakes	Male	Internal Auditor
16	385-11-6886	3327	BMW	M3	Turquoise	2009	728986.85	68788-9728	Erv Manville	Male	Senior Developer
17	632-59-2978	7975	Mercedes-Benz	R-Class	Puce	2009	665854.24	0228-2672	Mychal Zanetti	Male	Social Worker
18	236-54-6347	7029	Honda	FCX Clarity	Yellow	2012	707705.42	21695-215	Jermain Proudman	Male	Senior Editor
19	329-80-2609	2373	Toyota	Corolla	Aquamarine	2004	563380.63	37000-352	Liuka Dundin	Female	Desktop Support Technician
20	351-97-3917	5839	Ford	Tempo	Turquoise	1988	686028.43	49288-0606	Timmy Duck	Female	Payment Adjustment Coordinator
21	298-99-8758	1459	Mercedes-Benz	SL-Class	Turquoise	2009	526717.03	49693-1801	Barbee Cathel	Female	Chemical Engineer

Performing SCD1.



OUTPUT IN DB.

TARGET FILE = target_FA_CARS_SCD1

DBeaver 22.2.0 - <shreya> SSIS.sql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator Projects > shreya > shreya > FA_CARS_SCD1

Enter a part of object name here

Results 1 >

Text

Grid

select * from target_FA_CARS_SCD1 Enter a SQL expression to filter results (use Ctrl+Space)

	SupplierName	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelYear	CarPrice	CustomerID
1	Bubbletube	871-57-6028	8,893	Dodge	Ram 2500	PINK	2,007	11,111.77	60760-224
2	Tagopia	337-64-4060	9,444	Toyota	Tundra	WHITE	2,010	672,222.04	67457-594
3	Zoomdog	218-19-1802	253	GMC	Savana 1500	Crimson	2,011	504,465.72	58411-135
4	Oozz	635-15-3112	1,283	Volkswagen	Cabriolet	Fuscia	1,990	646,077.11	0591-5307
5	Kare	849-23-6788	8,905	Mercury	Mariner	Teal	2,009	699,890.24	51655-189
6	Rhynyx	378-57-0118	8,877	Toyota	Land Cruiser	Crimson	2,005	694,373.94	65811-0001
7	Roomb0	479-97-2408	101	Subaru	Impreza	Indigo	1,999	546,977.55	31722-328
8	Wordify	371-69-6870	8,854	BMW	X6	Purple	2,013	528,353.8	54162-018
9	Skyvu	717-19-7839	9,043	Mitsubishi	Galant	Orange	2,011	706,964.35	44911-0060
10	Feedfire	634-55-4653	492	Subaru	Justy	Crimson	1,988	798,573.50	54868-5732
11	Layo	547-88-4825	9,212	Mercedes-Benz	M-Class	Mauv	2,002	722,114.57	0955-1015
12	Oyoyo	440-82-9219	7,891	Ford	Taurus X	Crimson	2,008	761,182.85	54838-101
13	Quatz	803-82-7568	3,334	Mercedes-Benz	CL-Class	Red	2,011	568,015.89	49825-119
14	Gabvine	854-30-4179	8,898	Dodge	Avenger	Turquoise	2,008	646,591.02	54799-504
15	Jaxspan	385-11-6886	4,531	Nissan	Pathfinder	Khaki	2,002	670,304.84	43742-0059
16	Mybuzz	632-59-2978	3,327	BMW	M3	Turquoise	2,009	728,986.65	68788-9728
17	Gabcube	236-54-6347	7,975	Mercedes-Benz	R-Class	Puce	2,009	665,854.24	0228-2672
18	Lazz	329-80-2609	7,029	Honda	FCX Clarity	Yellow	2,012	707,705.42	21695-215
19	Buzzdog	351-97-3917	2,373	Toyota	Corolla	Aquamarine	2,004	563,380.63	37000-352
20	Yodel	298-99-8758	5,839	Ford	Tempo	Turquoise	1,988	686,028.43	49288-0606
21	Innojam	188-55-0225	1,459	Mercedes-Benz	SL-Class	Turquoise	2,009	526,717.03	49693-1801
22	Skidoo	192-42-0999	8,464	Chevrolet	Monte Carlo	Aquamarine	1,996	569,743.98	23155-141
23	Mynte	323-91-4731	7,705	Bentley	Continental Flyr Fuscia	2,009	649,917	65517-0027	

Save Cancel Script | K L M N O P Q R S T U V W X Y Z | IST en Writable | Smart Insert | 10 : 36 : 132 | Set 0 | 0 |

Cloudy 77°F 10:18 AM 10/10/2022

SD2

Source file = FINAL_1000_CARS

FINAL_1000_CARS - Compatibility Mode

File Home Insert Page Layout Formulas Data Review View Help

Comments Share

J14 568015.89

	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelYear	CarPrice	CustomerID	CustomerName	Gender	JobTitle
1											
2	871-57-6028	8893	Dodge	Ram 2500	PINK	2007	11111.77	60760-224	Louie Hinsche	Male	Mechanical Systems Engineer
3	337-64-4060	9444	Toyota	Tundra	WHITE	2010	672222.04	67457-594	Alexandros Manuel	Male	Structural Engineer
4	218-19-1802	253	GMC	Savana 1500	Crimson	2011	504465.72	58411-135	Alvie Weighell	Male	Systems Administrator III
5	635-15-3112	1283	Volkswagen	Cabriolet	Fuscia	1990	646077.11	0591-5307	Flint Gunston	Male	Operator
6	849-23-6788	8905	Mercury	Mariner	Teal	2009	699890.24	51655-189	Alyssa Filpi	Female	Software Engineer III
7	378-57-0118	8877	Toyota	Land Cruiser	Crimson	2005	694373.94	65811-0001	Witt Piche	Male	Professor
8	479-97-2408	101	Subaru	Impreza	Indigo	1999	546977.55	31722-328	Findlay Alberti	Male	Biostatistician III
9	371-69-6870	8854	BMW	X6	Purple	2013	528353.8	54162-018	Ottolie Wittman	Female	Administrative Officer
10	717-19-7839	9043	Mitsubishi	Galant	Orange	2011	706964.35	44911-0060	Kirsten Calvey	Female	Assistant Manager
11	634-55-4653	492	Subaru	Justy	Crimson	1988	798573.59	54868-5732	Archer Landsborough	Male	Speech Pathologist
12	547-88-4825	9212	Mercedes-Benz	M-Class	Mauv	2002	722114.57	0955-1015	Duff Dogdshun	Male	Developer I
13	440-82-9219	7891	Ford	Taurus X	Crimson	2008	761182.85	54838-101	Barry Delves	Female	Analog Circuit Design manager
14	803-82-7568	3334	Mercedes-Benz	CL-Class	Red	2011	568015.89	49825-119	Libbey Divell	Female	VP Sales
15	854-30-4179	8898	Dodge	Avenger	Turquoise	2008	646591.02	54799-504	Demetria Hazelgrove	Female	Human Resources Assistant IV
16	385-11-6886	4531	Nissan	Pathfinder	Khaki	2002	670304.84	43742-0059	Creigh Wreakes	Male	Internal Auditor
17	632-59-2978	3327	BMW	M3	Turquoise	2009	728986.85	68788-9728	Erv Manville	Male	Senior Developer
18	236-54-6347	7975	Mercedes-Benz	R-Class	Puce	2009	665854.24	0228-2672	Mychal Zanetti	Male	Social Worker
19	329-80-2609	7029	Honda	FCX Clarity	Yellow	2012	707705.42	21695-215	Jermain Proudman	Male	Senior Editor
20	351-97-3917	2373	Toyota	Corolla	Aquamarine	2004	563380.62	37000-352	Luika Dundin	Female	Desktop Support Technician
21	298-99-8758	5839	Ford	Tempo	Turquoise	1988	686028.43	49288-0606	Timmy Duck	Female	Payment Adjustment Coordinator
22	188-55-0225	1459	Mercedes-Benz	SL-Class	Turquoise	2009	526717.03	49693-1801	Barbee Cathel	Female	Chemical Engineer

Car Sales & Shipment Datasource

Ready Accessibility:Unavailable

Cloudy 78°F 10:42 AM 10/10/2022

CREATING TARGET TABLE IN DATABASE.

Target file = FA_CARS_SCD2

DBBeaver 22.2.0 - <shreya> SSIS.sql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator Projects <shreya> queries.sql <shreya> Script-1... <shreya> SSIS.sql <shreya> Viewss.s... Cinema_ASSIGN_data <shreya> IISC.sql <shreya> DDL/DML...

Enter a part of object name here

```
> dlithe - rewansolution.database.windows.net:1433
> oracle-88094-0.cloudclusters.net - oracle-88094
> shreya - rewansolution.database.windows.net:
```

CREATE TABLE FA_CARS_SCD2 (

- [SupplierID] float,
- [SupplierAddress] nvarchar(255),
- [SupplierName] nvarchar(255),
- [SupplierContactDetails] nvarchar(255),
- [ProductID] float,
- [CarMaker] nvarchar(255),
- [CarModel] nvarchar(255),
- [CarColor] nvarchar(255),
- [CarModelYear] float,
- [CarPrice] float,
- [CustomerID] nvarchar(255),
- [CustomerName] nvarchar(255),
- [Gender] nvarchar(255),
- [JobTitle] nvarchar(255),
- [PhoneNumber] nvarchar(255),
- [EmailAddress1] nvarchar(255).

Results 1

SupplierID	SupplierAddress	SupplierName	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelYear

Project - General

Name Data Source

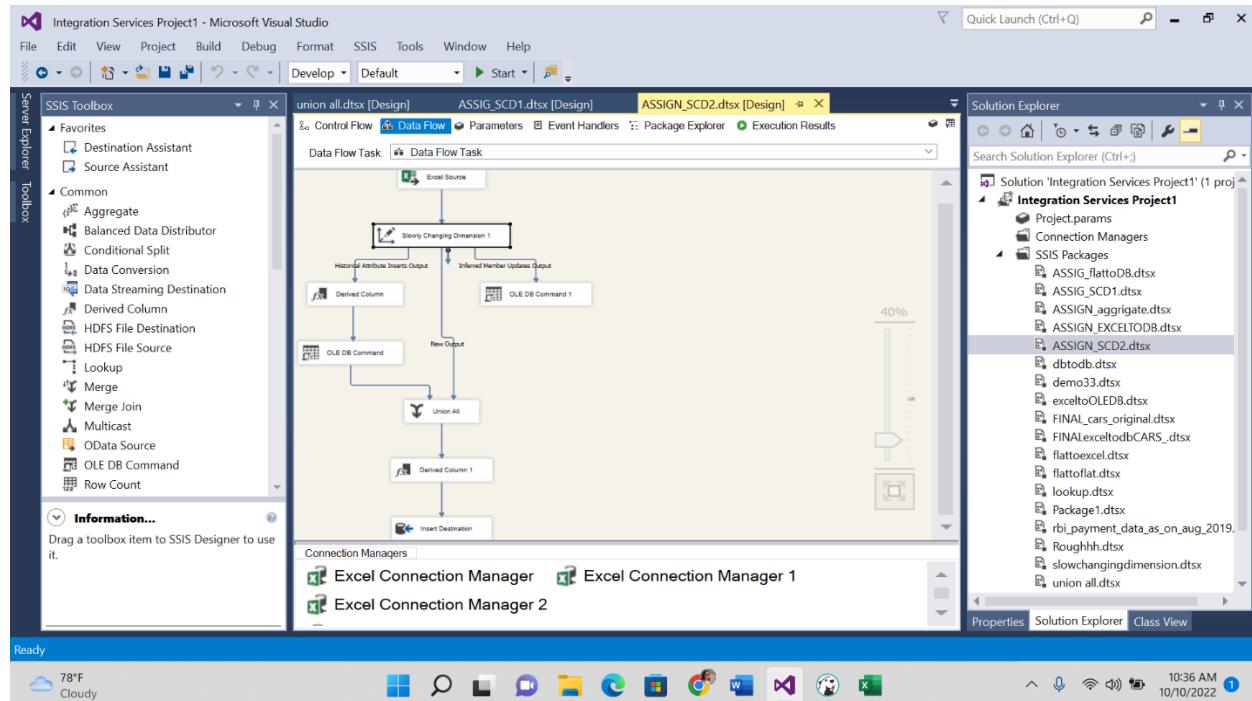
Bookmarks Diagrams Scripts

Record

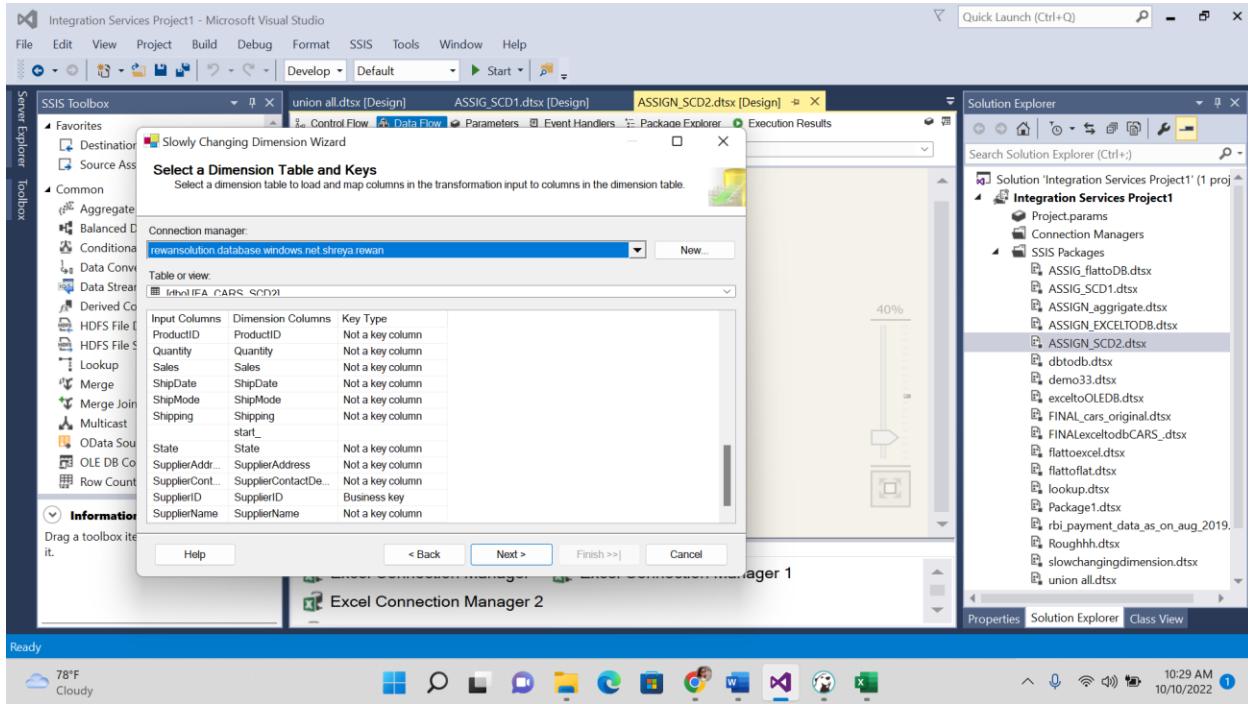
Save Cancel Script IST en Writable Smart Insert Rows: 0 No data- 205ms, on 2022-10-10 at 10:28:22 94 : 28 : 2330 Sel: 0 | 0

Cloudy 78°F 10:28 AM 10/10/2022

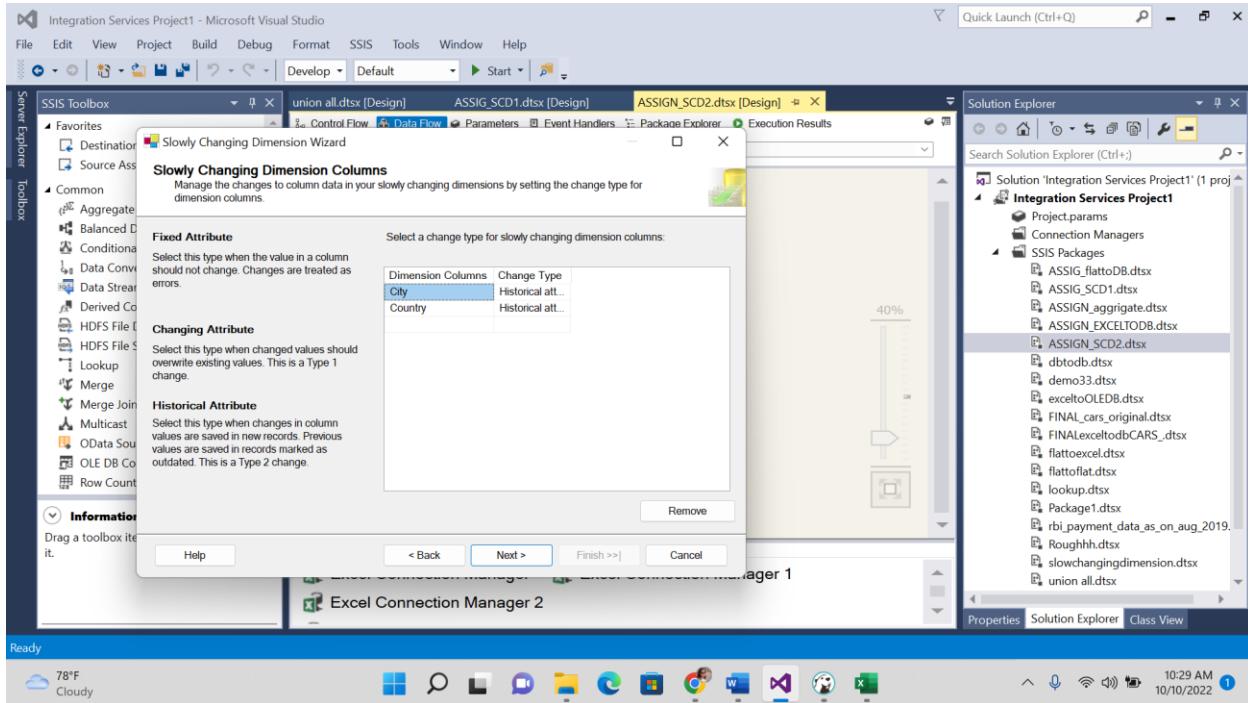
PERFORMING SCD2.

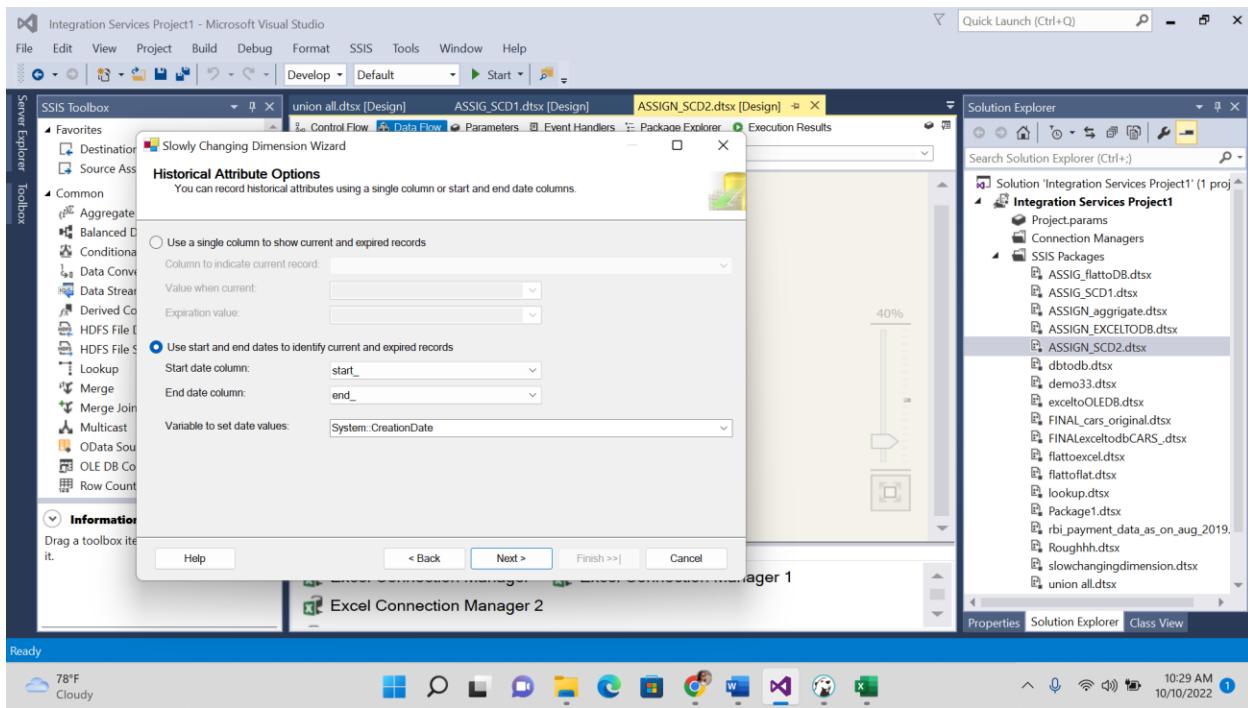


SETTING THE VALUES.

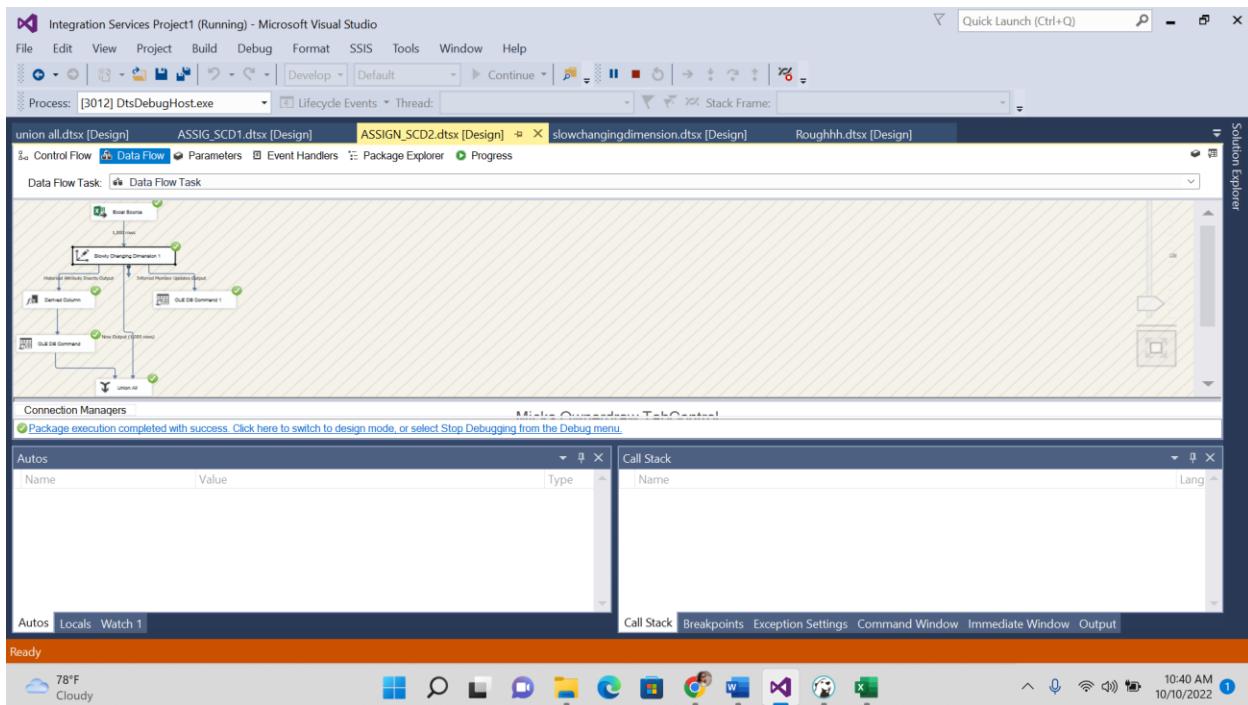


SETTING CITY ,COUNTRY ATTRIBUTES TO HISTORICAL ATTRIBUTES.





Executing the package.



OUTPUT IN DESTINATION DB.

DBBeaver 22.2.0 - <shreya> SSIS.sql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator Projects > shreya > dbo:shreya > Auto _ > shreya > queries.sql > <shreya> Script-1... > <shreya> SSIS.sql > <shreya> Viewss.s... > Cinema_ASSIGN_data > <shreya> IISC.sql > <shreya> DDL/DML...

Results 1 x

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:

Grid

SupplierID	SupplierAddress	SupplierName	SupplierContactDetails	ProductID	CarMaker	CarModel	CarColor	CarModelY
1	542 Dayton Center	Bubbletube	871-57-6028	8,893	Dodge	Ram 2500	PINK	
2	2 0674 Springview Circle	Tagopia	337-64-4060	9,444	Toyota	Tundra	WHITE	
3	3 70 Autumn Leaf Center	Zoomdog	218-19-1802	253	GMC	Savana 1500	Crimson	
4	4 649 Corben Lane	Oozz	635-15-3112	1,283	Volkswagen	Cabriolet	Fuscia	
5	5 94 Namekagon Point	Kare	849-23-6788	8,905	Mercury	Mariner	Teal	
6	6 46347 Dunning Drive	Rhynys	378-57-0118	8,877	Toyota	Land Cruiser	Crimson	
7	7 85 Coleman Parkway	Roombo	479-97-2408	101	Subaru	Impreza	Indigo	
8	8 30230 Westerfield Pass	Wordinfy	371-69-6870	8,854	BMW	X6	Purple	
9	9 4 Coleman Street	Skyvu	717-19-7839	9,043	Mitsubishi	Galant	Orange	
10	10 100 Anhalt Place	Feedfire	634-55-4653	492	Subaru	Justy	Crimson	
11	11 7 Esch Trail	Layo	547-88-4825	9,212	Mercedes-Benz	M-Class	Mauv	
12	12 6 Meadow Vale Center	Oyoyo	440-82-9219	7,891	Ford	Taurus X	Crimson	
13	13 0972 Pepper Wood Lai	Quatz	803-82-7568	3,334	Mercedes-Benz	CL-Class	Red	
14	14 55262 Emmet Place	Gabvine	854-30-4179	8,898	Dodge	Avenger	Turquoise	
15	15 330 Pennsylvania Plaza	Jaxspan	385-11-6886	4,531	Nissan	Pathfinder	Khaki	
16	16 428 Meadow Ridge All	Mybuzz	632-59-2978	3,327	BMW	M3	Turquoise	
17	17 26 Stuart Court	Gabcube	236-54-6347	7,975	Mercedes-Benz	R-Class	Puce	
18	18 73 Beilfuss Road	Lazz	329-80-2609	7,029	Honda	FCX Clarity	Yellow	
19	19 9 Lukken Way	Buzzdog	351-97-3917	2,373	Toyota	Corolla	Aquamarine	
20	20 411 Coleman Circle	Yodel	298-99-8758	5,839	Ford	Tempo	Turquoise	
21	21 88 Katie Way	Innjam	188-55-0225	1,459	Mercedes-Benz	SL-Class	Turquoise	
22	22 196 Darwin Park	Skidoo	192-42-0999	8,464	Chevrolet	Monte Carlo	Aquamarine	
23	23 90989 Muir Avenue	Mynte	323-91-4731	7,705	Bentley	Continental Flyr	Fuscia	

Record

Save Cancel Script | Smart Insert | IST | en | Writable | Rows: 0 | 200 row(s) fetched - 131ms (24ms fetch), on 2022-11-10 10:41 AM | 10/10/2022

Cloudy 78°F

Changing the attribute value of

City=Bangalore and country=India where supplier_id=1,

City=Mysore and country=India where supplier_id=2,

in source file.

AutoSave off

FINAL_1000_CARS - Compatibility Mode - Saved

Search (Alt+Q)

Shreya V

File Home Insert Page Layout Formulas Data Review View Help

Comments Share

Font Alignment Number Styles Cells Editing Analysis Sensitivity

Q2 Bangalore

PhoneNumber	EmailAddress	City	Country	CountryCode	State	CustomerAddress	OrderID	ShipDate
907-966-3323	lhhinsche0@comcast.net	Bangalore	India	US	Alaska	1 Independence Circle	43450	0268-6694 43538
320-943-9301	amanuel1@usnews.com	Mysore	India	US	Minnesota	209 Lerdahl Alley	43509	0699-5728 43530
312-561-8337	aweighill2@nature.com	Chicago	United States	US	Illinois	1803 Evergreen Trail	43328	42043-251 43485
407-830-3175	fgunston3@mozilla.org	Orlando	United States	US	Florida	9682 Warbler Terrace	43518	57520-1044 43540
613-870-7247	wpiche5@deviantart.com	Detroit	United States	US	Michigan	5751 Tony Avenue	43349	36987-3308 43494
404-590-7068	alfilpi4@webs.com	Atlanta	United States	US	Georgia	26066 Valley Edge Parkway	43328	11822-0580 43548
617-524-1910	alberti6@google.com.br	Boston	United States	US	Massachusetts	60797 Rowland Pass	43540	24909-111 43489
930-526-4427	owitman7@nps.gov	Charleston	United States	US	West Virginia	0 Sachs Court	43281	49527-013 43466
623-594-6666	kcalvey8@google.cn	Phoenix	United States	US	Arizona	0 Maywood Center	43408	52125-325 43481
408-440-1522	alandsborough9@chron.com	San Jose	United States	US	California	04 Knutson Drive	43428	45802-283 43520
973-213-3415	ddodgshuna@imgur.com	Newark	United States	US	New Jersey	8104 Colorado Avenue	43608	50563-202 43553
315-420-4107	bdevels8@zimbio.com	Syracuse	United States	US	New York	7265 Buell Trail	43436	60512-1035 43605
304-984-5742	ldivellec@blog.com	Charleston	United States	US	West Virginia	26 Mitchell Center	43633	54868-6162 43486
785-371-7195	dhazelgroved@theatlantic.com	Topeka	United States	US	Kansas	25 Dapin Lane	43580	57955-8315 43602
202-159-8703	cvreakese@mtv.com	Washington	United States	US	District of Columbia	9 Nelson Parkway	43324	58118-0404 43472
172-655-8860	emanvilleff@shareasale.com	Chattanooga	United States	US	Tennessee	98287 Tennessee Place	43437	65862-082 43617
937-749-6041	mzannettig@dropbox.com	Dayton	United States	US	Ohio	68 Prairieview Way	43318	50169-0005 43517
920-861-3234	jproutzmanh@independent.co.uk	Appleton	United States	US	Wisconsin	064 Everett Circle	43570	49404-204 43605
615-169-0681	ldundini@hc360.com	Murfreesboro	United States	US	Tennessee	8972 Rieder Terrace	43619	0363-0459 43585
214-914-0768	tduckj@mapquest.com	Annapolis	United States	US	Maryland	90 Mendota Park	43416	57955-2282 43548
812-935-0173	bcathelk@nautilusiale.it	Bloomington	United States	US	Indiana	618 Bunting Court	43437	28107-003 43616

Car Sales & Shipment Datasource

Ready Accessibility: Unavailable

Cloudy 78°F

Executing the package .

The values of particular attributes has changed successfully in destination output.

DBeaver 22.2.0 - <shreya> SSIS.sql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator Projects <dltithe> queries.sql <shreya> Script-1... <shreya> SSIS.sql <shreya> Viewss.s... <shreya> Cinema_ASSIGN_data <shreya> IISC.sql <shreya> DDL/DML...

Enter a part of object name here

> **dltithe** - rewsolution.database.windows.net:1433

> **oracle-88094-0.cloudclusters.net** - oracle-880...

> **shreya** - rewsolution.database.windows.net:1433

`[CustomerID] nvarchar(255),
 [OrderID] nvarchar(255),
 [ShipDate] float,
 [ShipMode] nvarchar(255),
 [Shipping] nvarchar(255),
 [PostalCode] float,
 [Sales] float,
 [Quantity] float,
 [Discount] float,
 [CreditCardType] nvarchar(255),
 [CreditCard] float,
 [CustomerFeedback] nvarchar(255)
);`

`drop table FA_CARS_SCD2;
select * from FA_CARS_SCD2;
alter table FA_CARS_SCD2 add start_date;
alter table FA_CARS_SCD2 add end_date;`

Results 1 x

select * from FA_CARS_SCD2; Enter a SQL expression to filter results (use Ctrl+Space)

Grid	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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Start_ and End_ attribute values are updated now.

6. Create aggregate table based on the particular column(ex: Country code). Refer to the different data source from target system.

Source file = Cinema Ticket FF (flat file).

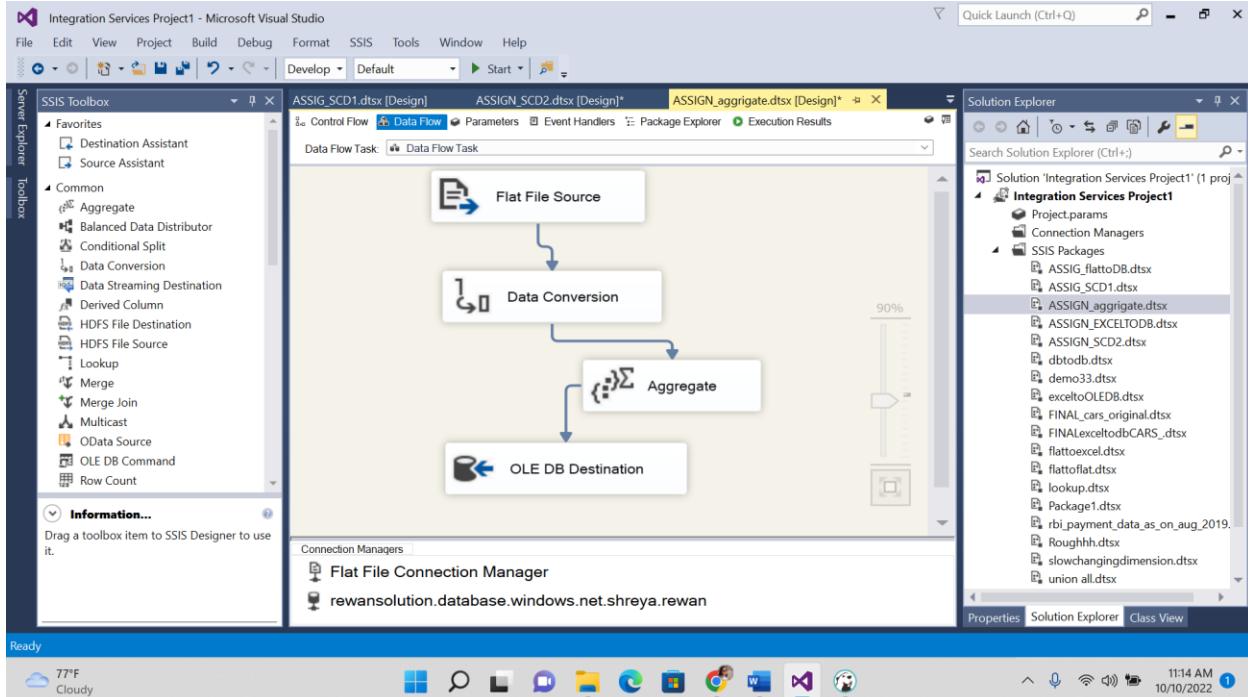
Cinema_Ticket_FF - Notepad

File Edit View

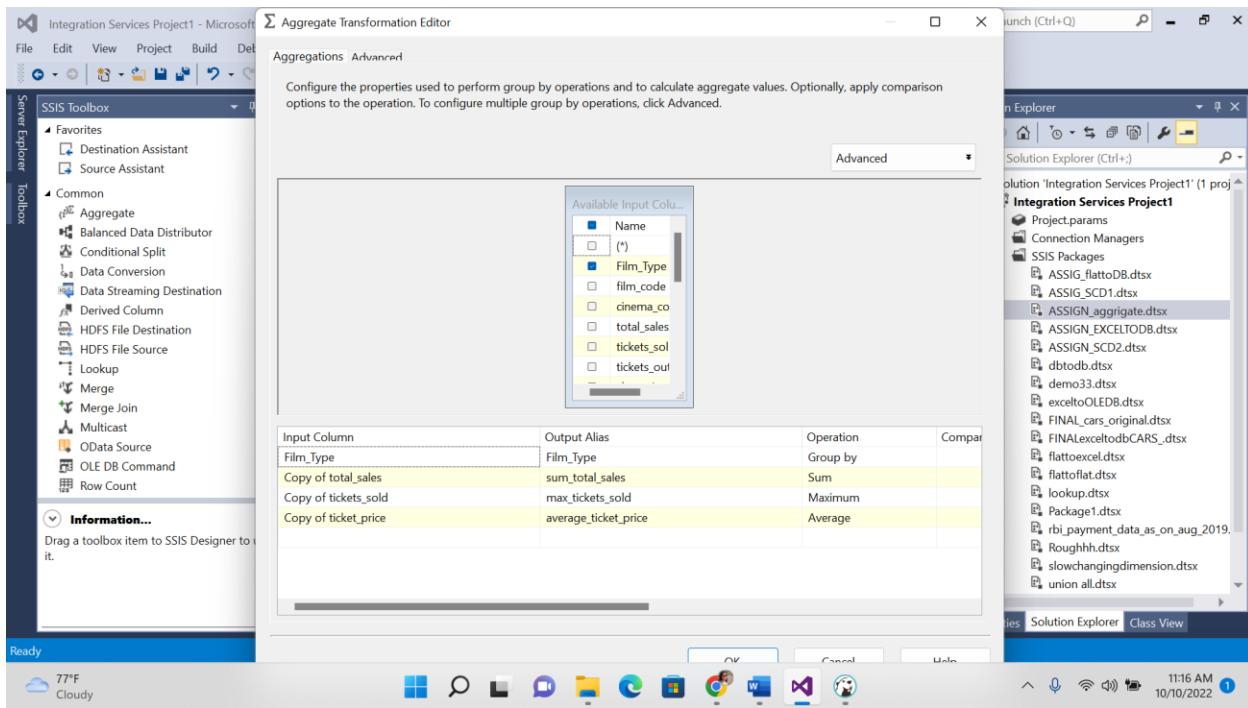
```
Film_Type,film_code,cinema_code,total_sales,tickets_sold,tickets_out,show_time,occu_perc,ticket_price,ticket_use,capacity,date,month,quarter,day
Romance,1492,304,3900000,26,0,4,2599999999999999,150000,26,618,43225,5,2,5
Romance,1492,352,3360000,42,0,5,8,0800000000000001,80000,42,520,43225,5,2,5
Romance,1492,489,2560000,32,0,4,20,80000,32,160,43225,5,2,5
Romance,1492,429,1200000,12,0,1,11,01,100000,12,189,43225,5,2,5
Romance,1492,524,1200000,15,0,3,16,67000000000002,80000,15,90,43225,5,2,5
Romance,1492,71,1050000,7,0,3,0,979999999999998,150000,7,714,43225,5,2,5
Romance,1492,163,1820000,10,0,3,7,6900000000000004,182000,10,130,43225,5,2,5
Romance,1492,450,7500000,5,0,3,1,57000000000001,150000,5,318,43225,5,2,5
Romance,1492,51,7500000,11,0,2,0,9499999999999996,68181,81818000002,11,1158,43225,5,2,5
Romance,1492,522,6000000,4,0,3,1,55,150000,4,258,43225,5,2,5
Romance,1492,43,4800000,6,0,3,0,44,80000,6,1364,43225,5,2,5
Romance,1492,529,4800000,4,0,3,2,96,120000,4,135,43225,5,2,5
Romance,1492,82,4000000,5,0,6,0,5300000000000003,80000,5,943,43225,5,2,5
Romance,1492,344,3800000,2,0,3,0,25,150000,2,800,43225,5,2,5
Romance,1492,73,2400000,2,0,1,2,84,120000,2,98,43225,5,2,5
Romance,1492,304,16500000,112,0,4,18,329999999999998,147321,42860000001,112,611,43224,5,2,4
Romance,1492,352,13950000,93,0,5,10,57,150000,93,880,43224,5,2,4
Romance,1492,344,10200000,68,0,3,8,539999999999991,150000,68,796,43224,5,2,4
Romance,1492,71,6680000,44,0,3,6,1399999999999997,150000,44,717,43224,5,2,4
Romance,1492,163,33600000,31,0,3,24,8000000000000001,108387,0968,31,125,43224,5,2,4
Romance,1492,522,38000000,20,0,3,7,75,150000,20,258,43224,5,2,4
Romance,1492,485,24000000,16,0,3,11,59,150000,16,138,43224,5,2,4
Romance,1492,524,18000000,12,0,3,13,33,150000,12,90,43224,5,2,4
Romance,1492,518,16800000,14,1,3,8,4800000000000004,120000,13,165,43224,5,2,4
Romance,1492,149,14000000,17,0,1,2,9300000000000002,82352,94117999994,17,580,43224,5,2,4
Romance,1492,448,13500000,9,0,2,2,3700000000000001,150000,9,380,43224,5,2,4
Romance,1492,429,12000000,12,0,1,11,01,100000,12,189,43224,5,2,4
Romance,1492,450,18500000,7,0,2,2,299999999999998,150000,7,212,43224,5,2,4
Romance,1492,43,8800000,11,0,3,0,8100000000000005,80000,11,1358,43224,5,2,4
Romance,1492,431,7200000,6,0,2,11,539999999999999,120000,6,52,43224,5,2,4
Romance,1492,529,6800000,5,0,2,5,559999999999996,120000,5,90,43224,5,2,4
```

Ln 1, Col 1 | 100% | Windows (CRLF) | UTF-8 | 11:17 AM 10/10/2022

Using aggregate function in SSIS.



Setting up aggregate operations.



Execute the package and the output is shown in destination target table.

Target table = **Assign_Aggregate_cinema**

Film_Type	sum_total_sales	max_tickets_sold	average_ticket_price
Fiction	2,120,200,000	694	66.681
Action	8,075,538,991	2,015	87.789
Science	1,780,934,998	1,656	59,317
Family	3,505,049,998	3,003	89,010
Romance	310,725,000	112	94,030
Horror	2,320,015,000	814	82,263
Thriller	983,815,000	620	78,649
Drama	710,235,000	340	84,524
Comedy	315,250,000	371	57,710

Module 3 SSRS

Entry criteria: The new target system - DWH is created in Module 2

1. Using the newly created DWH - SQL Server , generate different reports

a) Dashboard

b) Reports

Apply the filter on Dashboard and report level. Create meaningful reports.

REPORT ON CAR_SALES_DATASOURCE

The screenshot shows the Microsoft Visual Studio interface with the title bar "SSRS_training - Microsoft Visual Studio". The menu bar includes File, Edit, View, Project, Build, Debug, Format, Report, Tools, Window, Help. The toolbar has standard icons for file operations. The ribbon tabs are "Report Data", "Reportfilters_rdl [Design]", "Assign_SSRS_CINEM...EPORT.rdl [Design]", "Assign_SSRS_cars_report.rdl [Design] (selected)", "total_time.rdl [Design]", "Report4.rdl [Design]". The preview pane displays the report titled "REPORT ON CAR SALES" with a header section containing the date "10/10/2022" and time "1:44:49 PM", and a footer section with "CORPINDIA \E13170". Below the header is a table with the following data:

Car Maker	Supplier ID	Supplier Name	Total Sales
Acura			9687663.14
Aston Martin			1786735.58
Audi			21496148.1
Austin			777048.56
Bentley			5232775.28
BMW			23742310.09
Buick			34876572.62
Cadillac			15278308.78
Chevrolet			70988582.01
Chrysler			

The screenshot shows the Microsoft Visual Studio interface with the title bar "SSRS_training - Microsoft Visual Studio". The menu bar includes File, Edit, View, Project, Build, Debug, Format, Report, Tools, Window, Help. The toolbar has standard icons for file operations. The ribbon tabs are "Report Data", "Reportfilters_rdl [Design]", "Assign_SSRS_CINEM...EPORT.rdl [Design]", "Assign_SSRS_cars_report.rdl [Design] (selected)", "total_time.rdl [Design]", "Report4.rdl [Design]". The preview pane displays the report titled "REPORT ON CAR SALES" with a header section containing the date "10/10/2022" and time "1:45 PM", and a footer section with "CORPINDIA \E13170". Below the header is a table with the following data:

Car Maker	Supplier ID	Supplier Name	Total Sales
Acura			9687663.14
Aston Martin			1786735.58
Audi			21496148.1
Austin			777048.56
Bentley	23	Mynte	736530.42
	236	Voonte	857281.07
	346	Bubbletube	799003.87
	347	Quamba	988207.53
	394	Camimbo	877567.11
	662	Topiclounge	974185.28
			5232775.28
BMW			23742310.09
Buick			34876572.62
Cadillac			15278308.78
Chevrolet			70988582.01
Chrysler			11921981.58
Citroën			853729.39
Daewoo			824035.7
Dodge			42178931.93

SSRS_training - Microsoft Visual Studio

File Edit View Project Build Debug Format Report Tools Window Help

Report Data Default Start B / U A

Reportfilters.rdl [Design] Assign_SSRS_CINEM...EPORT.rdl [Design] Assign_SSRS_cars_report.rdl [Design] total_time.rdl [Design] Report4.rdl [Design]

Design Preview

1 of 3 Find Next

BMW			23742310.09
Buick			34876572.62
Cadillac			15278308.78
Chevrolet			70988582.01
Chrysler			11921981.58
Citroen			853729.39
Daewoo			824035.7
Dodge			42178931.93
Eagle			338343.55
Ferrari			4864206.91
Ford			54008409.45
Geo			3539749.98
GMC			31418872.96
Honda			16087658.74
Hyundai			12324866.48
Infiniti			13876324.8
Isuzu			15458400.33
Jaguar			11653760.2
Jeep			9951608.87
Kia			13358452.95

Report Data SQL Server Obj...

Ready

80°F Cloudy 1:45 PM 10/10/2022

SSRS_training - Microsoft Visual Studio

File Edit View Project Build Debug Format Report Tools Window Help

Report Data Default Start B / U A

Reportfilters.rdl [Design] Assign_SSRS_CINEM...EPORT.rdl [Design] Assign_SSRS_cars_report.rdl [Design] total_time.rdl [Design] Report4.rdl [Design]

Design Preview

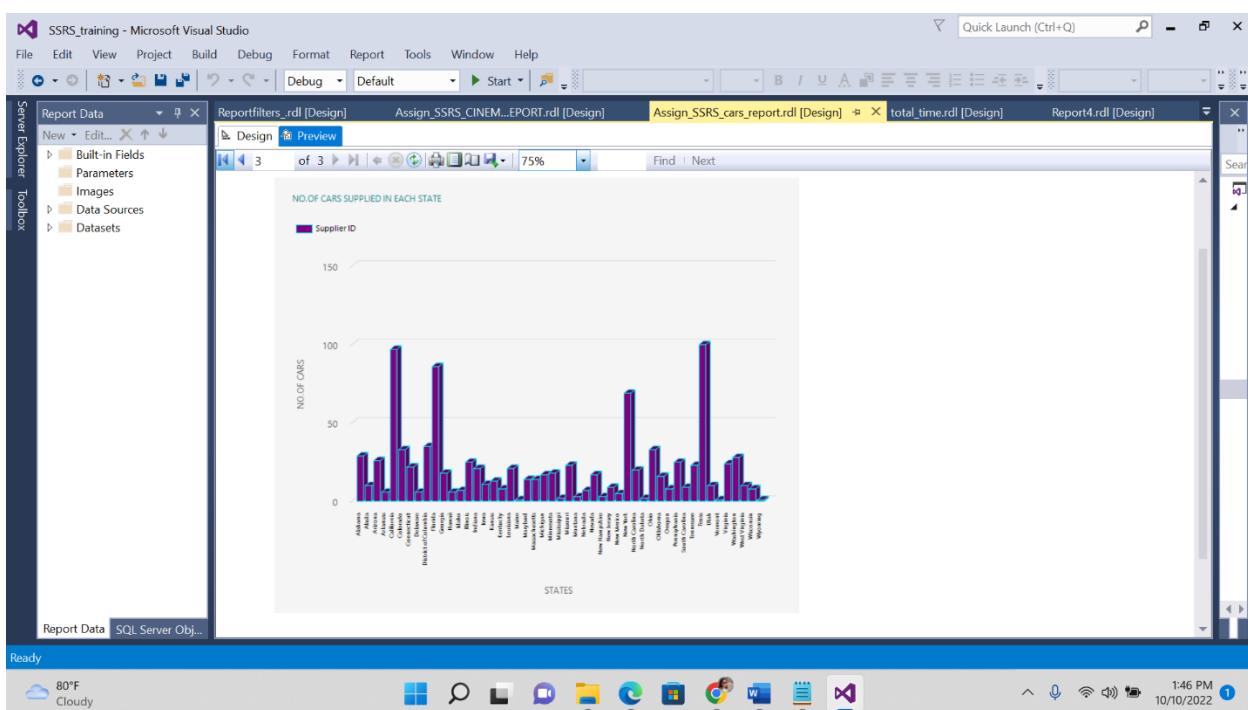
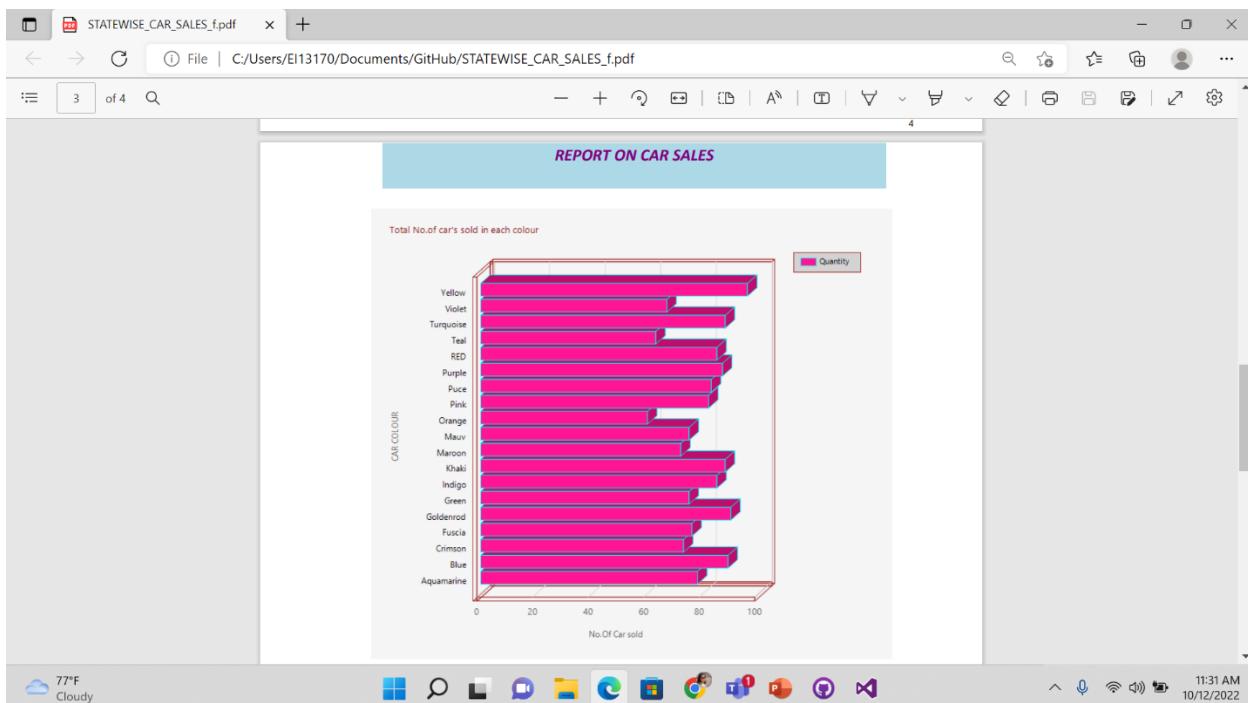
1 of 3 Find Next

Hyundai			12324000.40
Infiniti			13876324.8
Isuzu			15458400.33
Jaguar			11653760.2
Jeep			9951608.87
Kia			13358452.95
Lamborghini			7026228.98
Land Rover			8731717.99
Lexus			15515157.24
Lincoln			13887779.57
Lotus			3584441.45
Maserati			5169254.56
Maybach			2671420.98
Mazda			36808263.57
Mercedes-Benz			38327910.1
Mercury			12619463.9
MG			831134.31
MINI			1674713.83
Mitsubishi			34500615.49

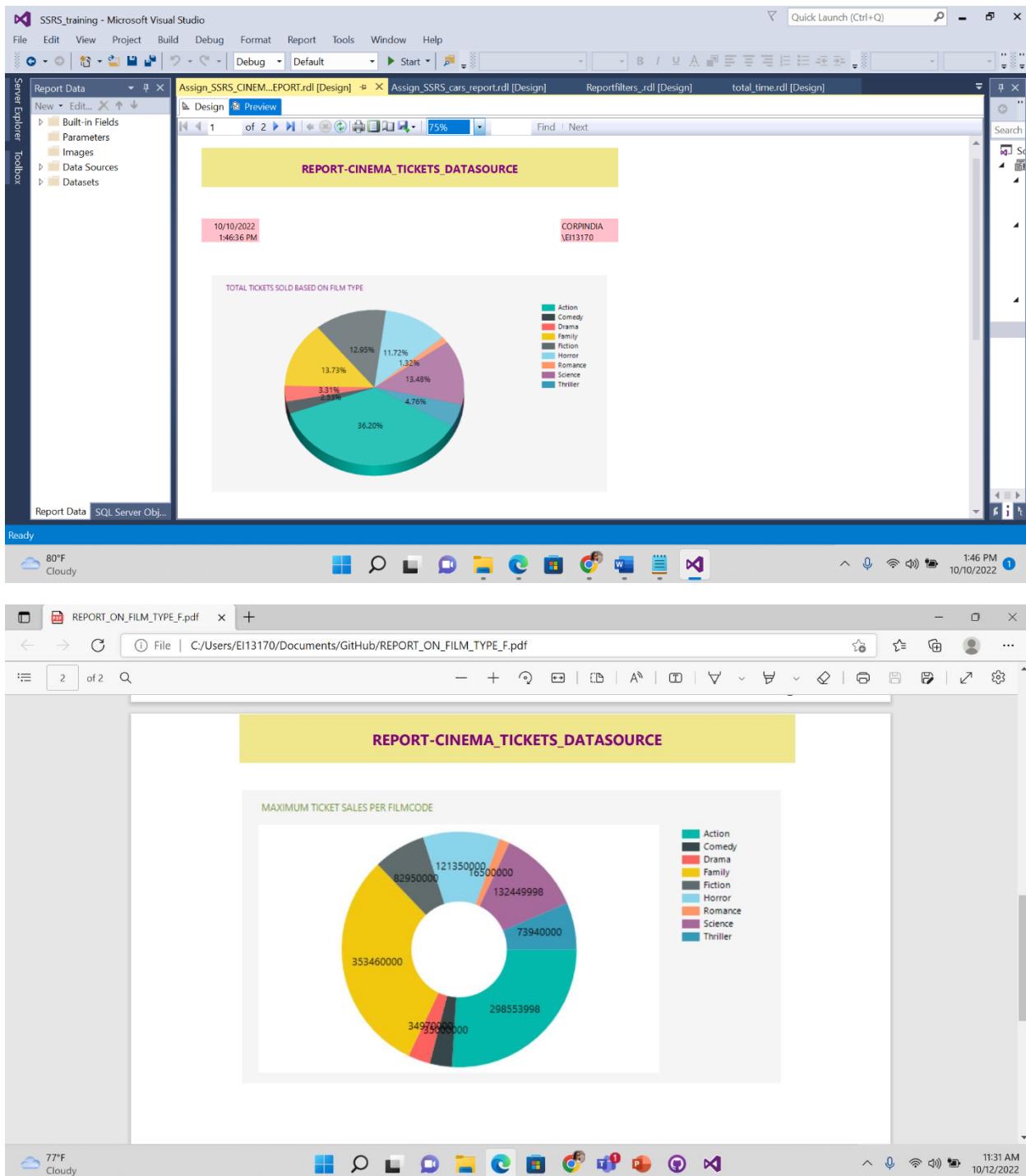
Report Data SQL Server Obj...

Ready

80°F Cloudy 1:45 PM 10/10/2022



REPORT ON CINEMA_DATASOURCE

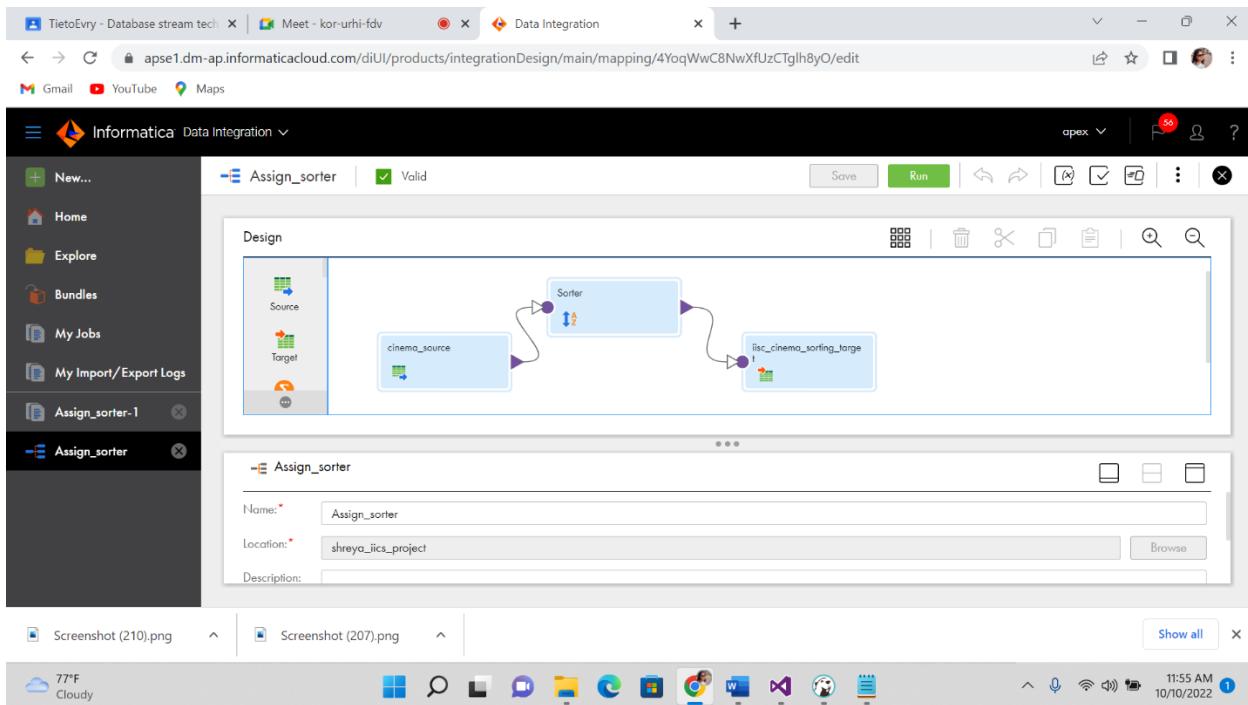


Module 4 IICS

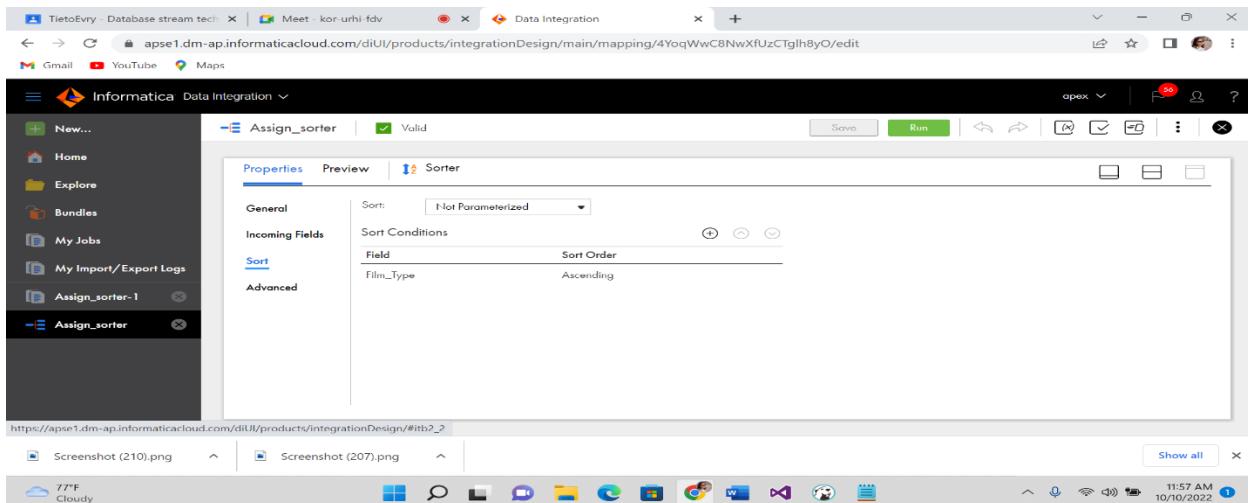
Entry criteria: Transactions tables created in Module 1, task 2

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

SORTING



Sorting film_type attribute in ascending order ;



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

DBBeaver 22.2.0 - <shreya> Script-1.sql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator Projects <shreya> Auto shreya dbo:shreya

Results 1 x

Enter a part of object name here

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

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

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

SELECT * FROM iisc_cinema_sorting_target

Record	Action	1.482	448	298,553,998	2,015	0	12	80,019995
1	Action	1.482	34	186,360,000	1,553	0	6	57,520000
2	Action	1.482	163	186,120,000	1,380	0	9	68,790000
3	Action	1.482	304	179,250,000	1,200	0	8	77,670000
4	Action	1.482	182	154,640,000	1,933	0	5	75,099995
5	Action	1.482	344	118,650,000	793	0	4	74,459995
6	Action	1.482	518	115,080,000	1,152	1	12	77,109995
7	Action	1.482	71	113,400,000	769	0	3	70,230000
8	Action	1.482	89	112,200,000	748	0	6	37,490000
9	Action	1.482	195	91,200,000	1,140	0	13	49,140000
10	Action	1.482	141	87,600,000	595	0	6	68,120000
11	Action	1.482	396	80,600,000	806	0	4	65
12	Action	1.482	524	78,300,000	530	1	7	57,799995
13	Action	1.482	210	78,000,000	1,345	0	9	69,079995
14	Action	1.482	142	77,050,000	780	2	6	44,219995
15	Action	1.482	52	71,050,000	713	0	6	35,579995
16	Action	1.482	489	70,550,000	504	0	16	55,43
17	Action	1.482	390	67,800,000	819	0	10	92,609995
18	Action	1.482	450	66,900,000	450	0	4	92,980000
19	Action	1.482	70	63,000,000	630	0	14	12,33
20	Action	1.482	144	60,160,000	752	0	14	13,92
21	Action	1.482	262	59,000,000	594	0	3	61,880000
22	Action	1.482	417	58,700,000	605	0	5	30,960000
23	Action	1.482	77	58,000,000	77	0	1	1,000,000

Record

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

Cloudy 77°F

5. Perform SCD 1 & SCD2 dimension table modelling

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-urhi-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 Save Run

Design

Properties Preview Lookup

Lookup Object: Simple

Lookup Conditions:

Return Fields	Lookup Field	Operator	Incoming Field
	tar_SupplierID	=	SupplierID

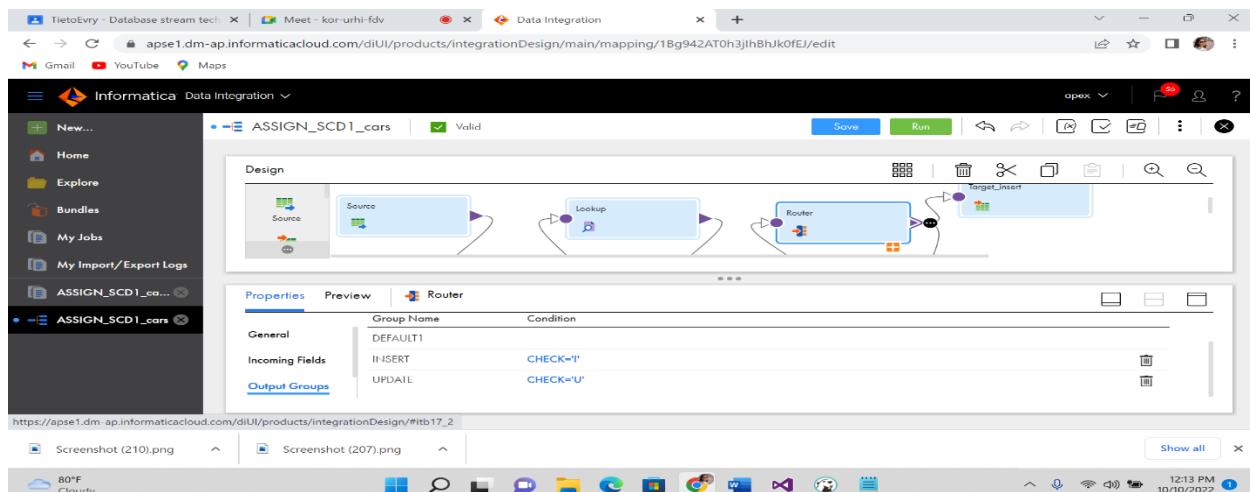
https://apse1.dm-ap.informaticacloud.com/diUI/products/integrationDesign/#itb15_3

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

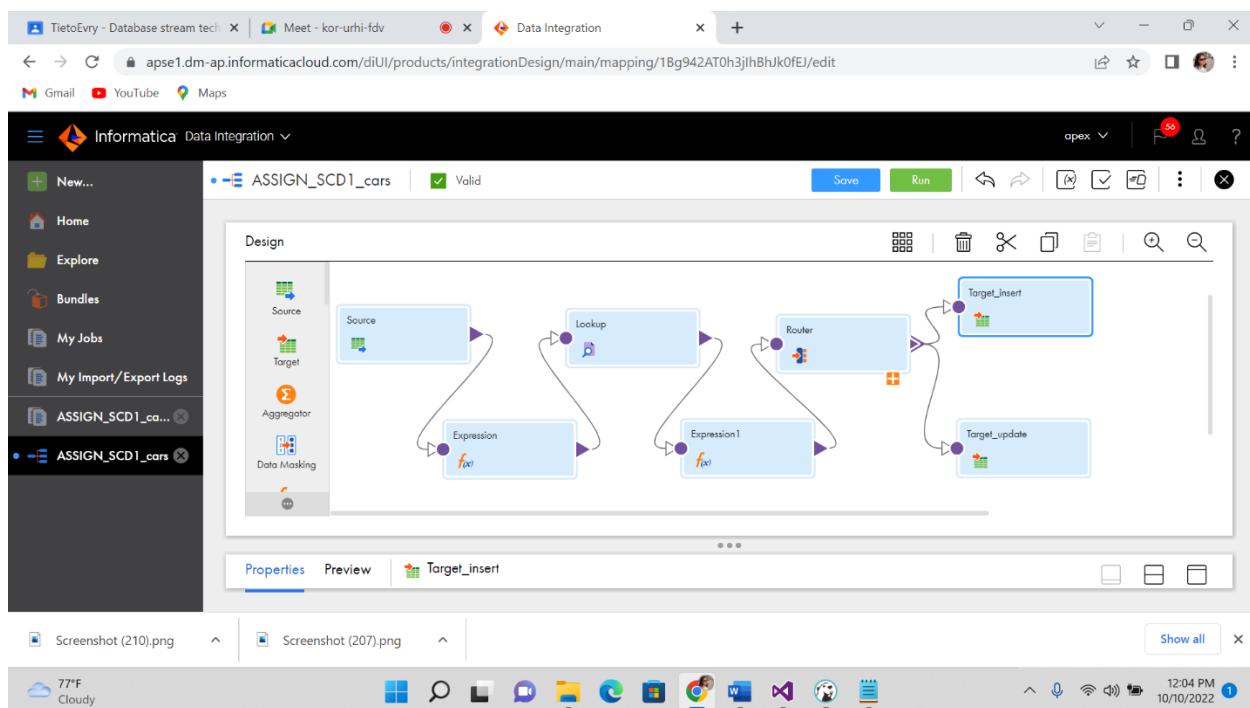
Cloudy 80°F

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.

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
Replication Task4-1	shreya_iics_pro...	1 task	Oct 7, 2022, 12:00...	Oct 7, 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, 5:43 A...	Oct 8, 2022, 5...	1000	Success
ASSIGN_SCD1_cars-4	shreya_iics_pro...		Oct 8, 2022, 3:57 A...	Oct 8, 2022, 3...	1	Success
ASSIGN_SCD1_cars-3	shreya_iics_pro...		Oct 8, 2022, 3:39 A...	Oct 8, 2022, 3...	1000	Success
ASSIGN_SCD1_cars-2	shreya_iics_pro...		Oct 8, 2022, 3:05 A...	Oct 8, 2022, 3...	1000	Success
ASSIGN_SCD1_cars_1	shreya_iics_pro...		Oct 8, 2022, 2:26 A...	Oct 8, 2022, 2...	9	Success
Assign_sorter-1	shreya_iics_pro...		Oct 7, 2022, 11:27 ...	Oct 7, 2022, 1...	2000	Success
Mapping33-1	shreya_iics_pro...		Oct 1, 2022, 1:17 A...	Oct 1, 2022, 1...	0	Failed
Mapping31-1	shreya_iics_pro...		Sep 30, 2022, 5:50 ...	Sep 30, 2022, ...	13697	Success

Output in destination table.

DBBeaver 22.2.0 - <shreya> Script-1.sql

File Edit Navigate Search SQL Editor Database Window Help

< Auto > shreya > dbo@shreya > Auto > shreya > queries.sql < shreya > Script-1... < shreya > SSIS.sql < shreya > Viewss.s... < Cinema_ASSIGN_data < shreya > IICS.sql < shreya > DDL/DML...

Database Navigator Projects

Enter a part of object name here

Results 1 x

Grid Text

	tar_SupplierID	tar_SupplierAddress	tar_SupplierName	tar_SupplierContactDetails	tar_ProductID	tar_CarMaker	tar_CarModel	tar_CarYear
1	1	542 Dayton Center	Bubbletobe	871-57-6028	8.893	Dodge	Ram 2500	Gold
2	2	0674 Springview Circle	Tagopia	337-64-4060	9.444	Toyota	Tundra	Crim
3	3	70 Autumn Leaf Center	Zoomdog	218-19-1802	253	GMC	Savana 1500	Crim
4	4	649 Corben Lane	Oozz	635-15-3112	1,283	Volkswagen	Cabriolet	Fusi
5	5	94 Namekagon Point	Kare	849-23-6788	8,905	Mercury	Mariner	Teal
6	6	46347 Dunning Drive	Rhynyx	378-57-0118	8,877	Toyota	Land Cruiser	Crim
7	7	85 Coleman Parkway	Roomblo	479-97-2408	101	Subaru	Impreza	Indig
8	8	30230 Westerfield Pass	Wordify	371-69-6870	8,854	BMW	X6	Purp
9	9	4 Coleman Street	Skyyu	717-19-7839	9,043	Mitsubishi	Galant	Oran
10	10	100 Anhalt Place	Feedfire	634-55-4653	492	Subaru	Justy	Crim
11	11	7 Esch Trail	Layo	547-88-4825	9,212	Mercedes-Benz	M-Class	Mau
12	12	6 Meadow Vale Center	Oyoyo	440-82-9219	7,891	Ford	Taurus X	Crim
13	13	0972 Pepper Wood Lane	Quatz	803-82-7568	3,334	Mercedes-Benz	CL-Class	Red
14	14	55262 Emmet Place	Gabvine	854-30-4179	8,899	Dodge	Avenger	Turq
15	15	330 Pennsylvania Plaza	Jaxspan	385-11-6886	4,511	Nissan	Pathfinder	Khak
16	16	428 Meadow Ridge Alley	Mybuzz	632-59-2978	3,327	BMW	M3	Turq
17	17	26 Stuart Court	Gabcube	236-54-6347	7,975	Mercedes-Benz	R-Class	Puce
18	18	73 Bellfiss Road	Lazz	329-80-2609	7,029	Honda	FCX Clarity	Yello
19	19	9 Lukken Way	Buzzdog	351-97-3917	2,373	Toyota	Corolla	Aqua
20	20	411 Coleman Circle	Yodel	298-99-8758	5,839	Ford	Tempo	Turq
21	21	88 Katie Way	Innojam	188-55-0225	1,459	Mercedes-Benz	SL-Class	Turq
22	22	196 Darwin Park	Skidoo	192-42-0999	8,464	Chevrolet	Monte Carlo	Aqua
23	23	90989 Muir Avenue	Mynte	323-91-4731	7,705	Bentley	Continental Flying S Fusi	

Save Cancel Script | IST en Writable Smart Insert | Rows: 1 of 200 rows fetched - 202ms (63ms fetch), on 2022-10-10 12:05 PM | 335 : 37 : 8591 Sel: 0 | 0 |

Cloudy 77°F 10/10/2022

Changing the attribute values carprice and carmodelyear in source.

DBBeaver 22.2.0 - <shreya> Script-1.sql

File Edit Navigate Search SQL Editor Database Window Help

< Auto > shreya > dbo@shreya > Auto > shreya > queries.sql < shreya > Script-1... < shreya > SSIS.sql < shreya > Viewss.s... < Cinema_ASSIGN_data < shreya > IICS.sql < shreya > DDL/DML...

Database Navigator Projects

Enter a part of object name here

Results 1 x

Grid Text

```
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= '111111.3'
where SupplierID=1;

UPDATE T_FINAL_CARS_1000
SET CarModelYear = '2022'
where SupplierID=3;
```

FINAL-----

Model	CarColor	CarModelYear	CarPrice	CustomerID	CustomerName	Gender	JobTitle	PhoneNumber	Er
1	0 Red	2,007	111,111.3	60760-224	Louie Hinsche	Male	Mechanical Systems Engineer	907-966-3323	Ihins
2	1 Crimson	2,010	33,333.3	67457-594	Alexandros Manuel	Male	Structural Engineer	320-943-9301	ama
3	500 Crimson	2,022	504,465.72	58411-135	Alvie Weighell	Male	Systems Administrator III	312-561-8337	awei
4	4 Fuschia	1,990	646,077.11	0591-5307	Flint Gunston	Male	Operator	407-830-3175	fgun
5	5 Teal	2,009	699,890.24	51655-189	Alyssa Filpi	Female	Software Engineer III	313-870-7247	afile
6	61er Crimson	2,005	694,373.94	65811-0001	Wiat Piche	Male	Professor	404-590-7068	wpic
7	7 Indigo	1,999	546,977.55	31722-328	Findlay Alberti	Male	Biostatistician III	617-524-1910	fbabi
8	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 | Rows: 3 of 200 rows fetched - 121ms (10ms fetch), on 2022-10-10 12:23 PM | 354 : 1 [224] Sel: 224 | 1 |

Cloudy 80°F 10/10/2022

Run the package.

The values has been updated in target table = [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
Yellow	1,990	646,077.11	0591-5307	Flint Gunston	Male	Operator	407-830-317
Teal	2,009	699,890.24	51655-189	Alyssa Filpi	Female	Software Engineer III	313-870-724
Crimson	2,005	694,373.94	65811-0001	Watt Piche	Male	Professor	404-590-706
Indigo	1,999	546,977.55	31723-228	Findlay Albarti	Male	Biostatistician III	617-524-191
Purple	2,013	528,353.54	51462-018	Ottlie Wittman	Female	Administrative Officer	304-526-442
Orange	2,011	706,964.35	44911-0060	Kirsten Calvey	Female	Assistant Manager	623-594-666
Crimson	1,988	798,573.59	54868-5732	Archer Landsborough	Male	Speech Pathologist	408-440-152
Teal	2,002	722,114.57	0955-1015	Duff Dodghsun	Male	Developer I	973-213-341
Crimson	2,008	761,182.85	54838-101	Barry Delves	Female	Analog Circuit Design manager	315-420-410
Red	2,011	568,015.89	49825-119	Libbey Divell	Female	VP Sales	304-984-574
Ququoise	2,008	646,591.00	54799-504	Demetria Hazelgrove	Female	Human Resources Assistant II	785-371-719
Haki	2,002	670,304.84	43742-0059	Creigh Wreakes	Male	Internal Auditor	202-159-870
Ququoise	2,009	728,986.85	68788-9728	Erv Manville	Male	Senior Developer	423-655-869
Tuce	2,009	665,854.20	0228-2672	Mychal Zanetti	Male	Social Worker	937-749-604
Yellow	2,012	707,705.42	21695-215	Jermain Prouzman	Male	Senior Editor	920-861-323
Quamarine	2,004	563,380.63	37000-352	Liuka Dundlin	Female	Desktop Support Technician	615-169-068
Ququoise	1,988	686,028.43	49288-0606	Timmy Duck	Female	Payment Adjustment Coordinator	410-914-076
Ququoise	2,009	526,717.03	49693-1801	Barbee Cathel	Female	Chemical Engineer	812-935-017

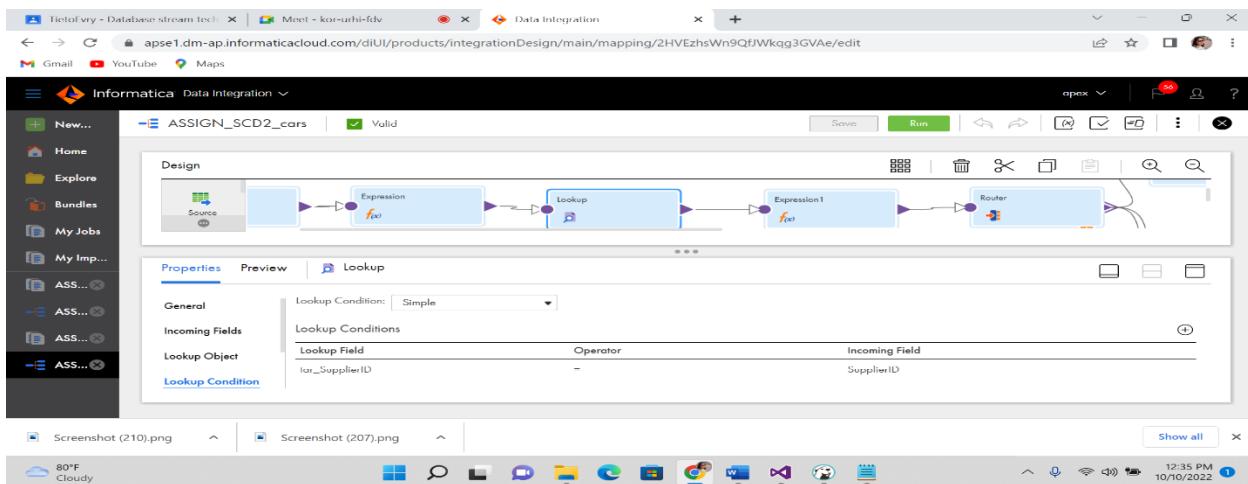
SCD-2

Source = T_FINAL_CARS_1000

Expression= MD5(SupplierID | CarModelYear | CarPrice)

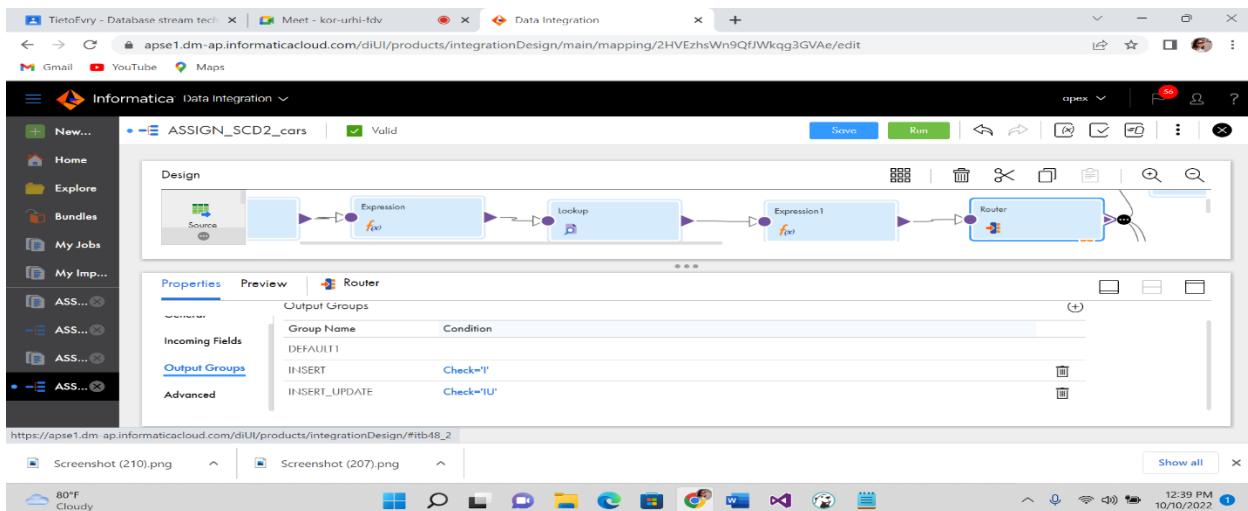
Lookup object = assign_iics_cars_SCD2

Lookup condition as shown below.

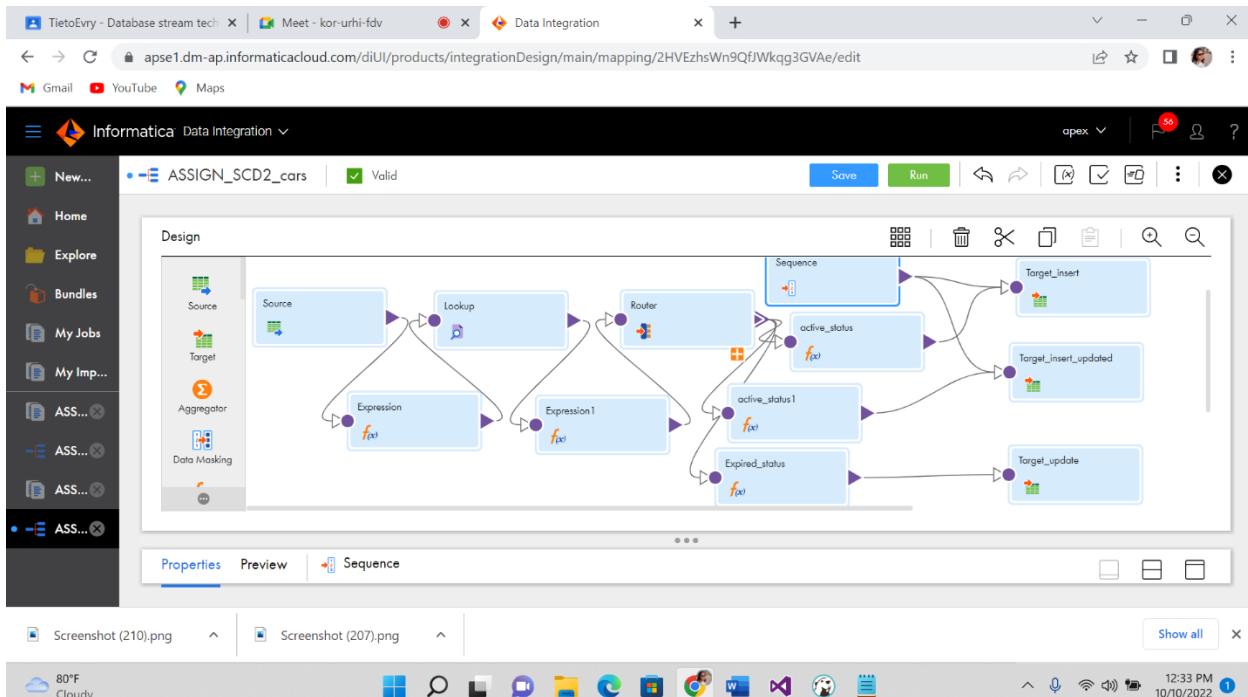


Expression1 = IIF(ISNULL(tar_SupplierID), 'I', IIF(Checksum!=tar_Checksum,'IU'))

Router



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



Run the package.

Jobs (17) Up to date

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
Replication Task1-1	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	1 task	Oct 8, 2022, 5:43 AM	Oct 8, 2022, 5:43 AM	4	Success
ASSIGN_SCD2_cars-1	shreya_iics_project	1 task	Oct 8, 2022, 5:30 AM	Oct 8, 2022, 5:30 AM	1000	Success
ASSIGN_SCD1_cars-4	shreya_iics_project	1 task	Oct 8, 2022, 3:57 AM	Oct 8, 2022, 3:57 AM	1	Success
ASSIGN_SCD1_cars-3	shreya_iics_project	1 task	Oct 8, 2022, 3:39 AM	Oct 8, 2022, 3:40 AM	1000	Success
ASSIGN_SCD1_cars-2	shreya_iics_project	1 task	Oct 8, 2022, 3:05 AM	Oct 8, 2022, 3:06 AM	1000	Success
ASSIGN_SCD1_cars-1	shreya_iics_project	1 task	Oct 8, 2022, 2:26 AM	Oct 8, 2022, 2:26 AM	9	Success
Assign_sorter-1	shreya_iics_project	1 task	Oct 7, 2022, 11:27 PM	Oct 7, 2022, 11:27 PM	2000	Success
Mapping33-1	shreya_iics_project	1 task	Oct 1, 2022, 1:17 AM	Oct 1, 2022, 1:17 AM	0	Failed
Mapping31-1	shreya_iics_project	1 task	Sep 30, 2022, 5:50 AM	Sep 30, 2022, 5:50 AM	1369/	Success

Changing the attribute values carprice and carmodelyear in source.

```

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-----

```

CarModel	CarColor	CarModelYear	CarPrice	CustomerID	CustomerName	Gender	JobTitle	PhoneNU
Ram 2500	Red	2.007	111,111.3	60760-224	Louie Hinsche	Male	Mechanical Systems Engineer	907-966-32
Tundra	Crimson	2.010	10,000.3	67457-594	Alexandros Manuel	Male	Structural Engineer	320-943-93
Savana 1500	Crimson	2.030	504,465.72	58411-135	Alvia Weighell	Male	Systems Administrator III	312-561-82
Cabriolet	Fuscia	1.990	646,077.11	0591-5307	Flint Gunston	Male	Operator	407-830-31
Mariner	Teal	2.009	699,890.24	51655-189	Alyssa Filipi	Female	Software Engineer III	313-870-72

Run the package.

Jobs (18) Updates available

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
ASSIGN_SCD2_cars-3	shreya_iics_project	1 task	Oct 10, 2022, 12:20 AM	Oct 10, 2022, 12:20 AM	6	Success
ASSIGN_SCD1_cars-3	shreya_iics_project	1 task	Oct 9, 2022, 11:57 PM	Oct 9, 2022, 11:57 PM	3	Success
Replication Task1-1	shreya_iics_project	34 tasks	Oct 9, 2022, 5:57 AM	Oct 9, 2022, 7:2...	31052	Success
ASSIGN_LAGGREGATE_C...	shreya_iics_project	1 task	Oct 9, 2022, 12:45 AM	Oct 9, 2022, 12:45 AM	54	Success
ASSOC_AGGREGATE_FIN...	shreya_iics_project	1 task	Oct 9, 2022, 12:38 AM	Oct 9, 2022, 12:38 AM	9	Success
IICS_aggregate_2	shreya_iics_project	1 task	Oct 9, 2022, 12:08 AM	Oct 9, 2022, 12:08 AM	9	Warning
IICS_aggregate_1	shreya_iics_project	1 task	Oct 9, 2022, 12:23 AM	Oct 9, 2022, 12:23 AM	9	Warning
Replication Task4-2	shreya_iics_project	1 task	Oct 9, 2022, 12:08 AM	Oct 9, 2022, 12:08 AM	305	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	1 task	Oct 8, 2022, 5:13 AM	Oct 8, 2022, 5:13 AM	4	Success
ASSIGN_SCD2_cars-1	shreya_iics_project	1 task	Sep 30, 2022, 5:50 AM	Sep 30, 2022, 5:50 AM	1000	Success

Output Target table = assign_iics_cars_SCD2.

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

DBBeaver 22.2.0 - <shreya> Script-1.sql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator > Projects > <dilthe> queries.sql <shreya> Script-1... <shreya> SSIS.sql <shreya> Viewss.s... <Cinema_ASSIGN_data> <shreya> IISC.sql <shreya> DDL/DML...

Enter a part of object name here

```
> dilthe - rewansolution.database.windows.net:1433
> oracle-88094-0.cloudclusters.net - oracle-88094
> shreya - rewansolution.database.windows.net:
```

`SELECT * FROM iisc_cinema_sorting_target;`

`select * from assign_iisc_cars_SCD1;`

`select * from assign_iics_cars_SCD2;`

Results 1 >

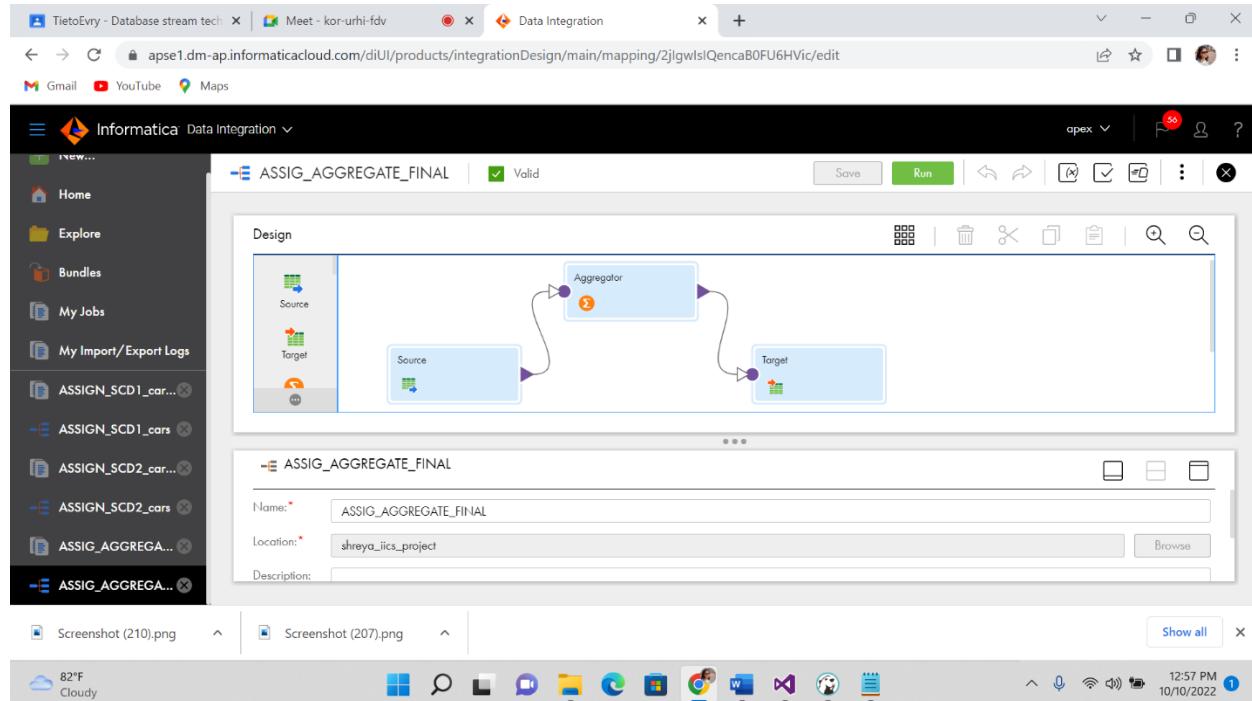
tar_Sales	tar_Quantity	tar_Discount	tar_CreditCardType	tar_CreditCard	tar_CustomerFeedback	tar_Checksum	tar_Status
744,796.41	1	0.83	diners-club-carte-blanche	30,408,000,000,000	Bad	4EE998476	EXPIRED
794,773.17	1	0.79	jcb	3,549,220,000,000,000	Good	92623DA575	EXPIRED
968,244.9	1	0.28	jcb	3,557,160,000,000,000	Okay	5A20F8F6BC	EXPIRED
942,213.82	2	0.76	jcb	3,529,910,000,000,000	Very Bad	89D7E3D767	ACTIVE
879,519.57	1	0.5	china-unionpay	5,602,240,000,000,000	Bad	D7CD3DADD6	ACTIVE
947,785.4	2	0.39	laser	6,706,250,000,000,000	Good	E268D0A423	ACTIVE
883,836.81	2	0.79	diners-club-carte-blanche	30,528,100,000,000,000	Very Bad	0CA11E5C3B	ACTIVE
779,626.29	1	0.9	jcb	3,589,140,000,000,000	Bad	FD1627C3E2	ACTIVE
818,364.32	2	0.5	jcb	3,557,050,000,000,000	Okay	B48668FB29	ACTIVE
902,866.47	1	0.61	jcb	3,534,730,000,000,000	Very Bad	BBF762E3AE	ACTIVE
932,957.69	1	0.62	diners-club-enroute	201,441,000,000,000	Very Bad	4D537A02FC	ACTIVE
743,643.26	2	0.61	jcb	3,558,310,000,000,000	Okay	B388D08137	ACTIVE
856,186.55	2	0.81	diners-club-enroute	201,524,000,000,000	Good	1C1985B58B	ACTIVE
703,359.96	1	0.88	jcb	3,542,460,000,000,000	Good	883A91B6FC	ACTIVE
832,581.18	2	0.44	jcb	3,547,070,000,000,000	Good	2DD85C5CD7	ACTIVE
948,098.46	2	0.84	visa	4,041,370,000,000	Good	7902680AAF	ACTIVE

Save Cancel Script | IST en Writable | Smart Insert | Rows: 1 | 200 row(s) fetched - 94ms (7ms fetch), on 2022-10-1 | 337 : 37 : 8631 | Sel: 0 | 0 | 12:50 PM 10/10/2022

6. Create aggregate table based on the particular column(ex: Country code). Refer to the different data source from target system.

AGGREGATE

Source table = Cinema_ASSIGN_data



Group by = film_type

The screenshot shows the Informatica Data Integration interface. On the left, there's a sidebar with various job options like Home, Explore, Bundles, My Jobs, and My Import/Export Logs. Below this, a list of existing jobs is shown, including ASSIG_SCD1_cars, ASSIG_SCD2_cars, ASSIG_AGGREGATE_FINAL, and others. The main workspace is titled 'ASSIG_AGGREGATE_FINAL' and is marked as 'Valid'. It contains a 'Design' view where a 'Source' component is connected to an 'Aggregator' component. The 'Properties' panel for the Aggregator shows the configuration: 'Group by' is set to 'Not Parameterized', 'Group by Fields' is 'Film_Type', and 'Aggregate' is 'Field Name' 'SUM(Film_Type)'. The Windows taskbar at the bottom shows icons for various applications like File Explorer, Edge, and Visual Studio Code.

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

This screenshot is identical to the one above, but the 'Aggregate' section in the Properties panel has been modified. The 'Field Name' is now 'SUM_OF_SALES' and the 'Expression' is 'SUM(Copy_tickets_sold)'. The rest of the interface and the Windows taskbar at the bottom remain the same.

Run the package.

Output Target table = TARGET_CINEMA_IICS_FINAL;

DBBeaver 22.2.0 - <shreya> Script-1.sql

File Edit Navigate Search SQL Editor Database Window Help

<dlithe> queries.sql <shreya> Script-1... <shreya> SSIS.sql <shreya> Viewsss... Cinema_ASSIGN_data <shreya> IICS.sql <shreya> DDL/DML...

Database Navigator Projects

Enter a part of object name here

```

<dlithe> queries.sql
--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	99999997	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	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 IST en Writable Smart Insert 351 : 1 [40] Sel: 40 | 1 10:03 PM 10/10/2022

Cloudy 82°F

7. Create data replication task (single table and FULL DB)

REPLICATION OF SINGLE TABLE.

STEPS TO SET THE VALUES AS SHOWN BELOW

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Informatica Data Integration

Edit Replication Task4

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

Task Details

Task Name: Replication Task4

Location: shreya_iics_project

Description:

Source Details

Source Connection: shreya_sqlserver

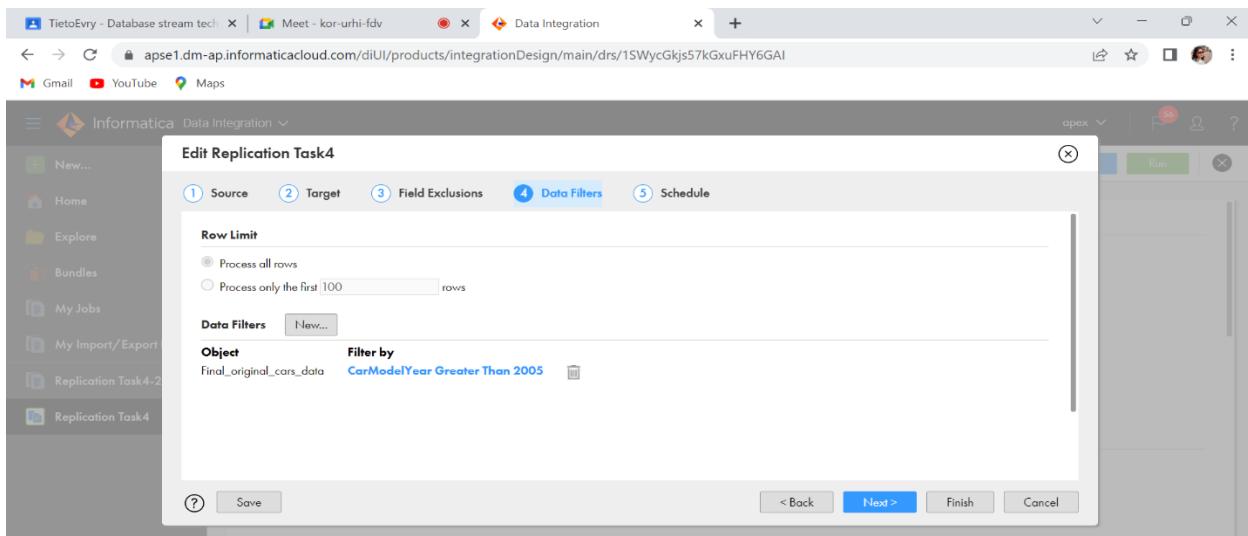
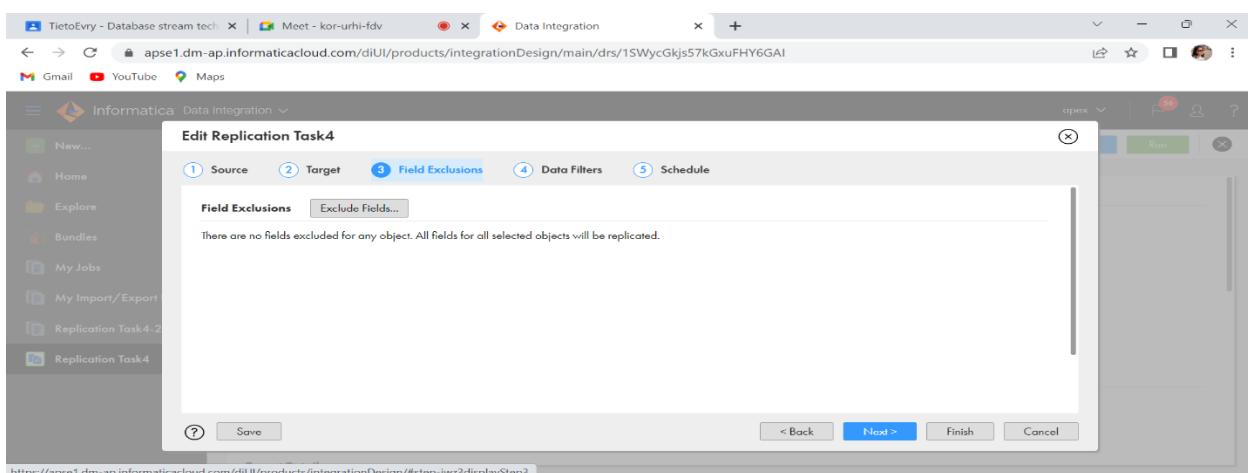
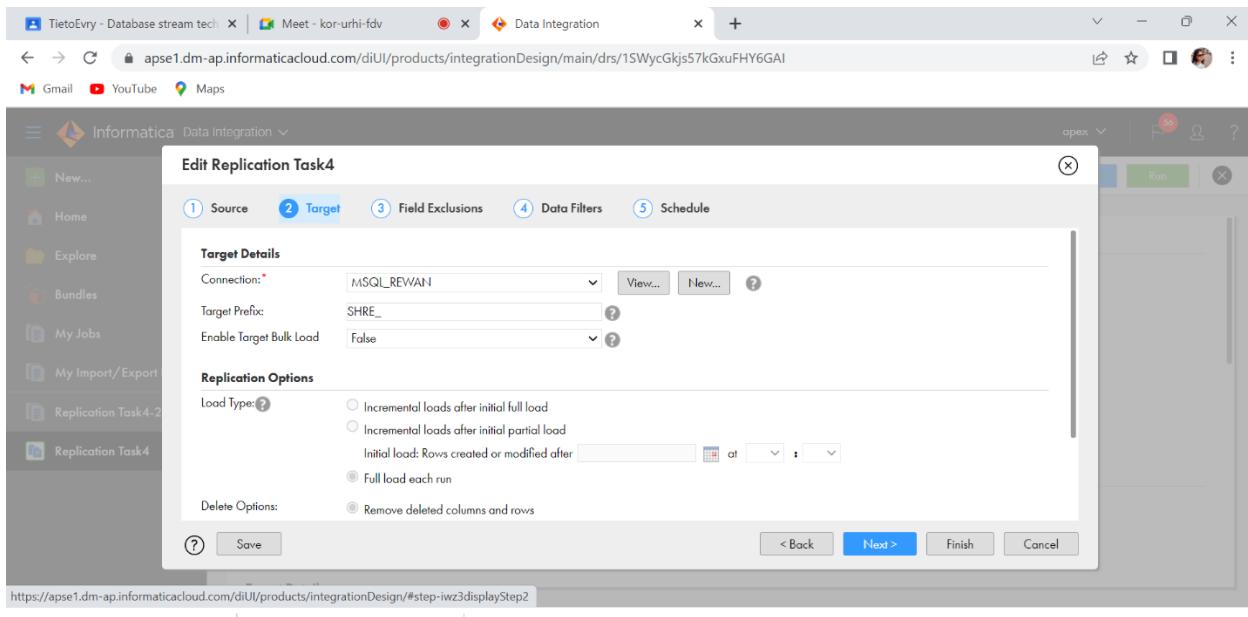
Objects to Replicate:

- All Objects
- Include Objects Select... Final_original_cars_data

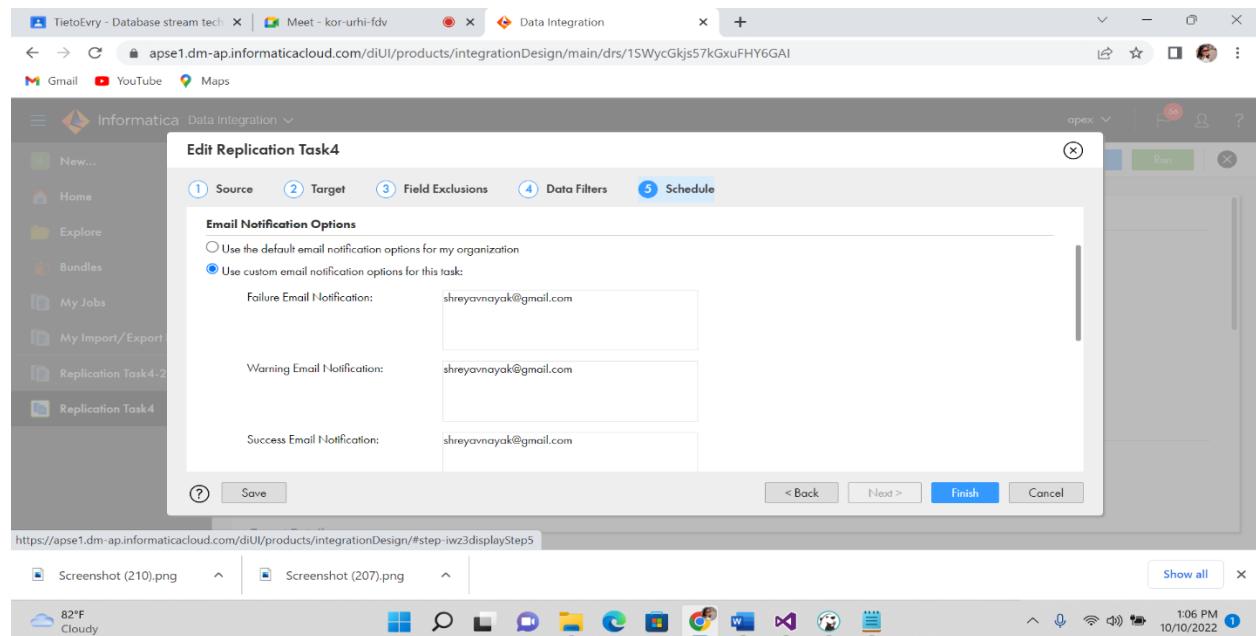
Save Next > Finish Cancel

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

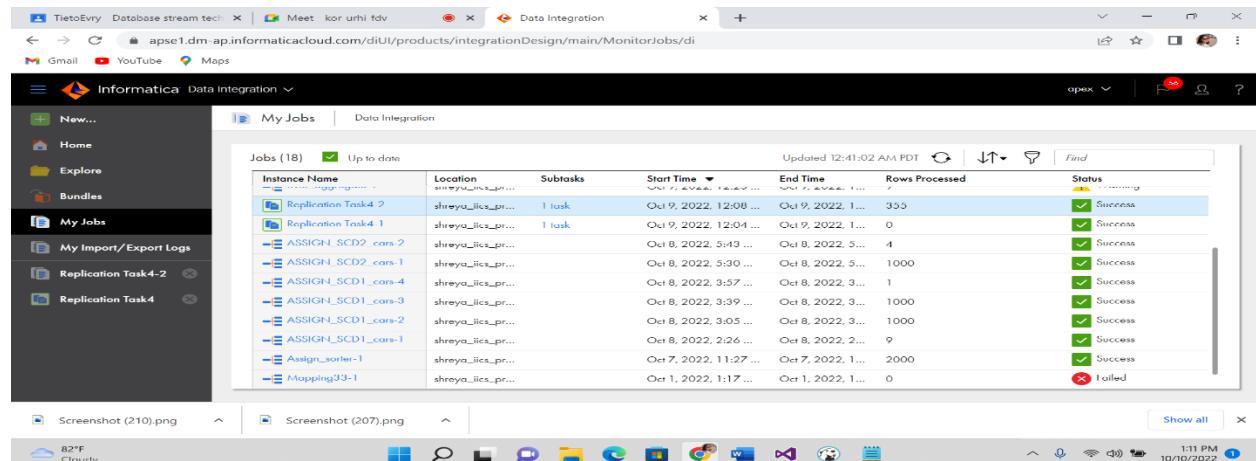
Cloudy 82°F 10:05 PM 10/10/2022



Set your email address for notifications.

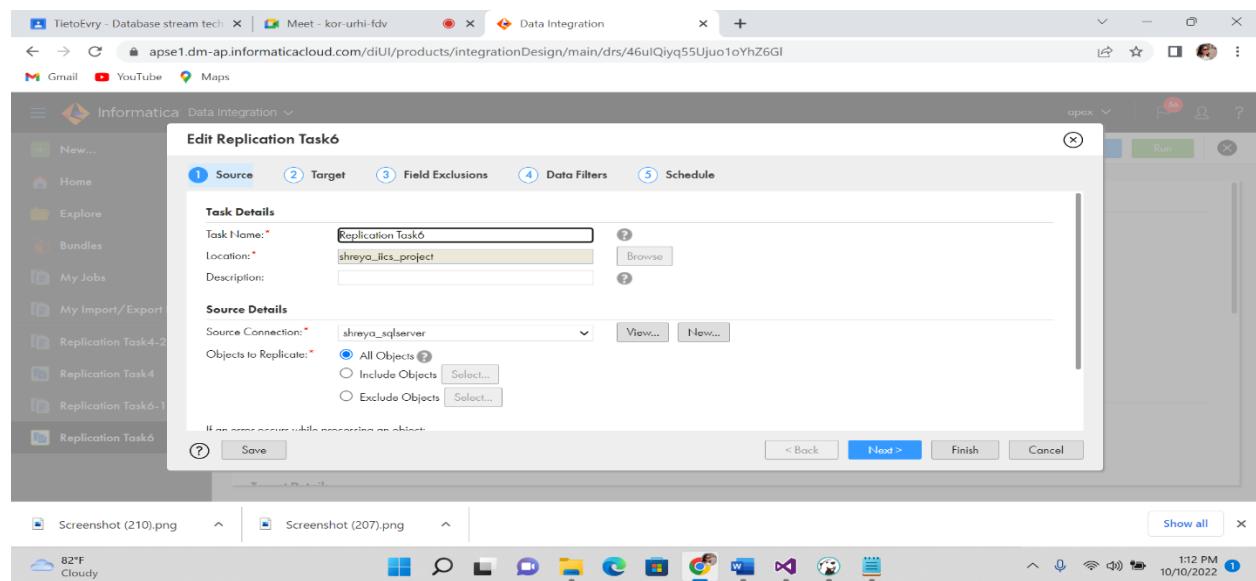


Run the package.



REPLICATION OF FULL DB

Check on 'All Objects' and set the field values accordingly.



Run the entire package.

34 tasks has successfully replicated from Shreya_db to dlithe_db.

The screenshot shows the Informatica Data Integration interface. On the left, there's a sidebar with options like New..., Home, Explore, Bundles, My Jobs, My Import/Export Logs, Replication Task4-2, Replication Task4, Replication Task6-1, and Replication Task6. The main area is titled 'My Jobs' and shows a table of 'Jobs (18)'. The table includes columns for Instance Name, Location, Subtasks, Start Time, End Time, Rows Processed, and Status. Most tasks are marked as 'Success' with green checkmarks, except for two which are 'Warning' with yellow exclamation marks. The table is updated at 12:45:30 AM PDT. Below the table, there are two screenshots labeled 'Screenshot (210).png' and 'Screenshot (207).png'. The system tray at the bottom right shows the date as 10/10/2022 and the time as 1:15 PM.

Dlithe_db

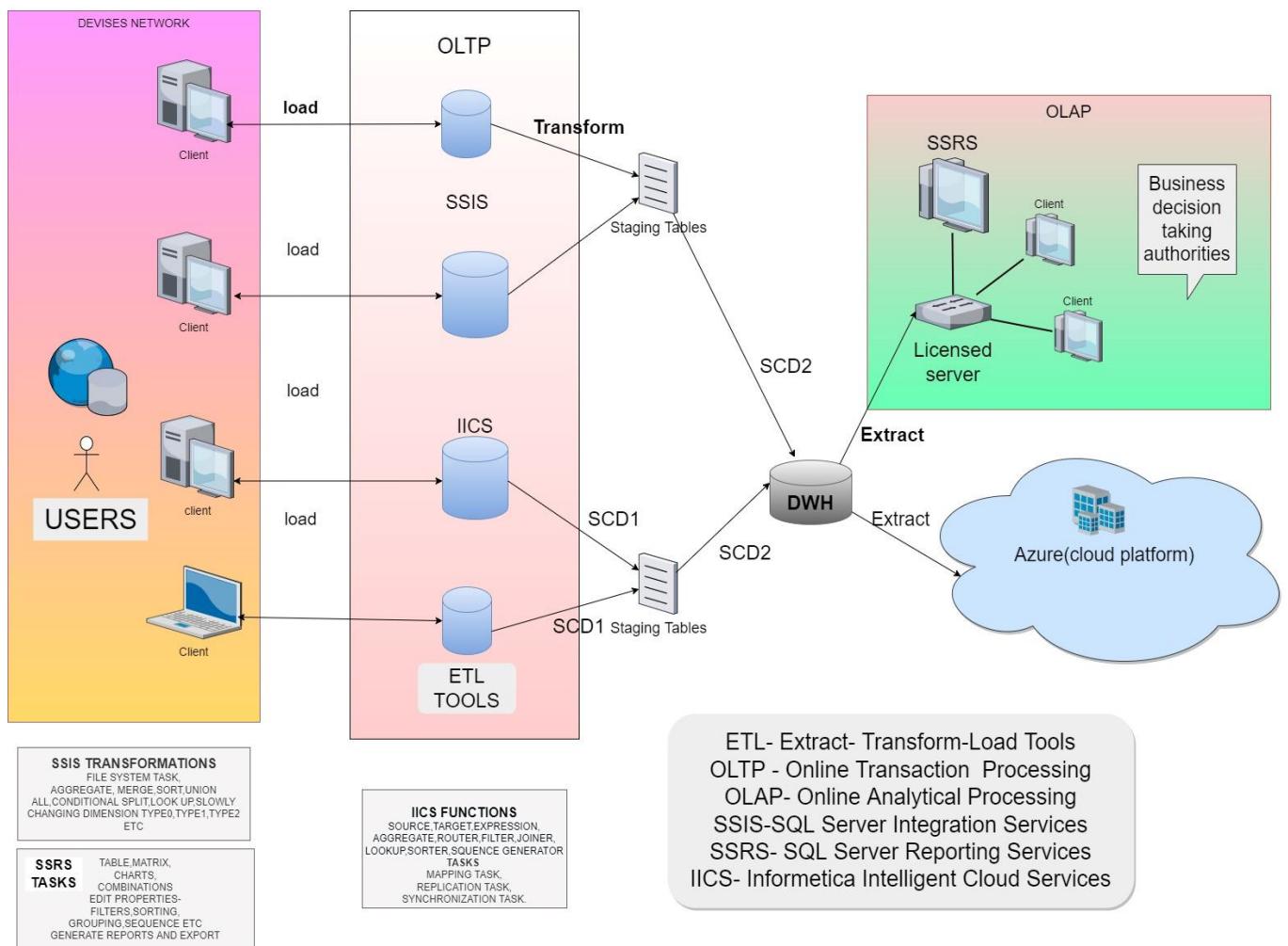
The screenshot shows a DBeaver 22.2.0 interface. The top menu bar includes File, Edit, Navigate, Search, SQL Editor, Database, Window, Help. The main area has tabs for Database Navigator, Projects, <shreya> Schema, and <shreya> SSL. The Database Navigator shows a tree view of objects in the shreya database. The SQL Editor tab contains a script with various SQL statements, including SELECT queries and an UPDATE statement for the T_FINAL_CARS_1000 table. The Results tab shows a grid of data with five rows, each containing a value for 'Copy_ticket_price'. The status bar at the bottom right indicates the date as 10/10/2022 and the time as 1:18 PM.

Module 5: Big Picture of DB,SSIS,SSRS,IICS

Create a big picture of your understanding on SQL Server, SSIS, SSRS & IICS. You can use

<https://app.diagrams.net/> to create the picture.

BIG PICTURE OF DATABASE CONCEPTS



ETL- Extract- Transform-Load Tools
OLTP - Online Transaction Processing
OLAP- Online Analytical Processing
SSIS-SQL Server Integration Services
SSRS- SQL Server Reporting Services
IICS- Informatica Intelligent Cloud Services