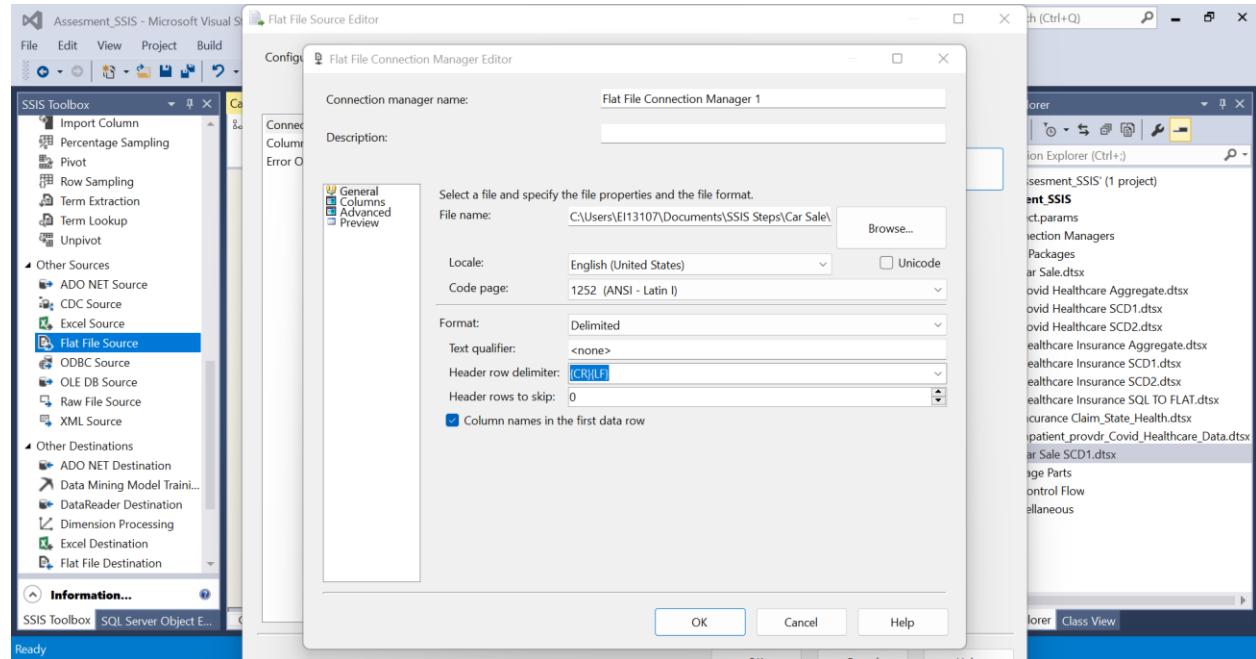


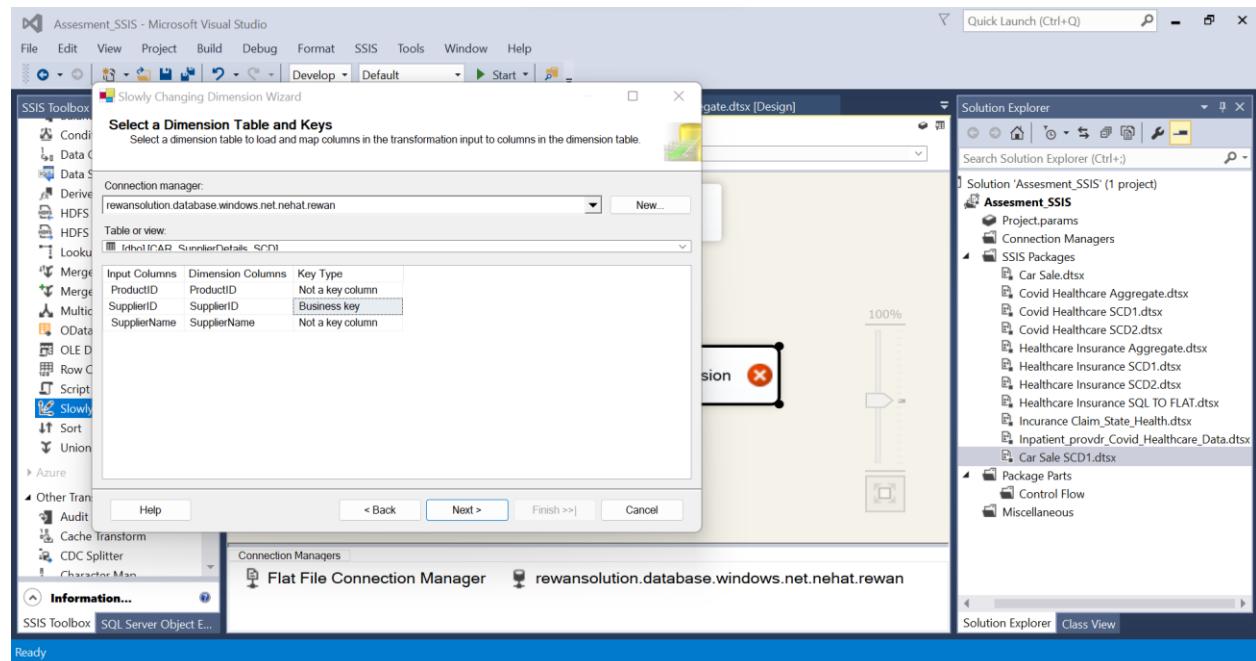
Module 2: SSIS ---> Data Source 3: Car Sales and Shipment

SCD1

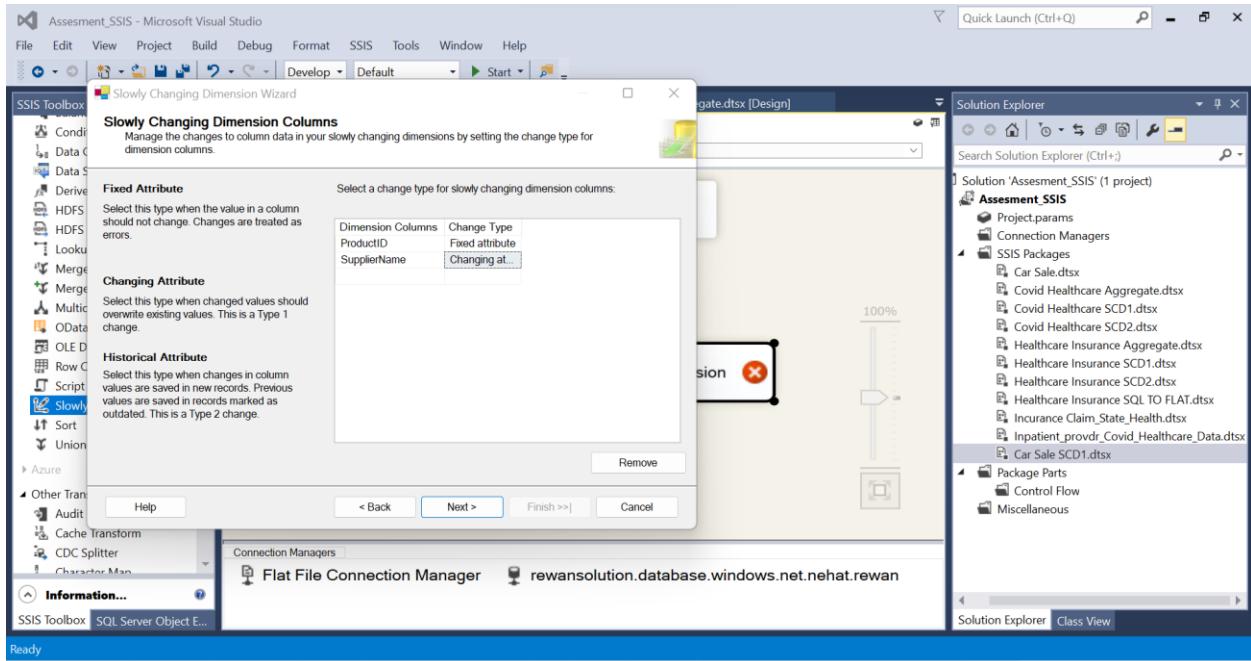
Step 1 - Flat File Source



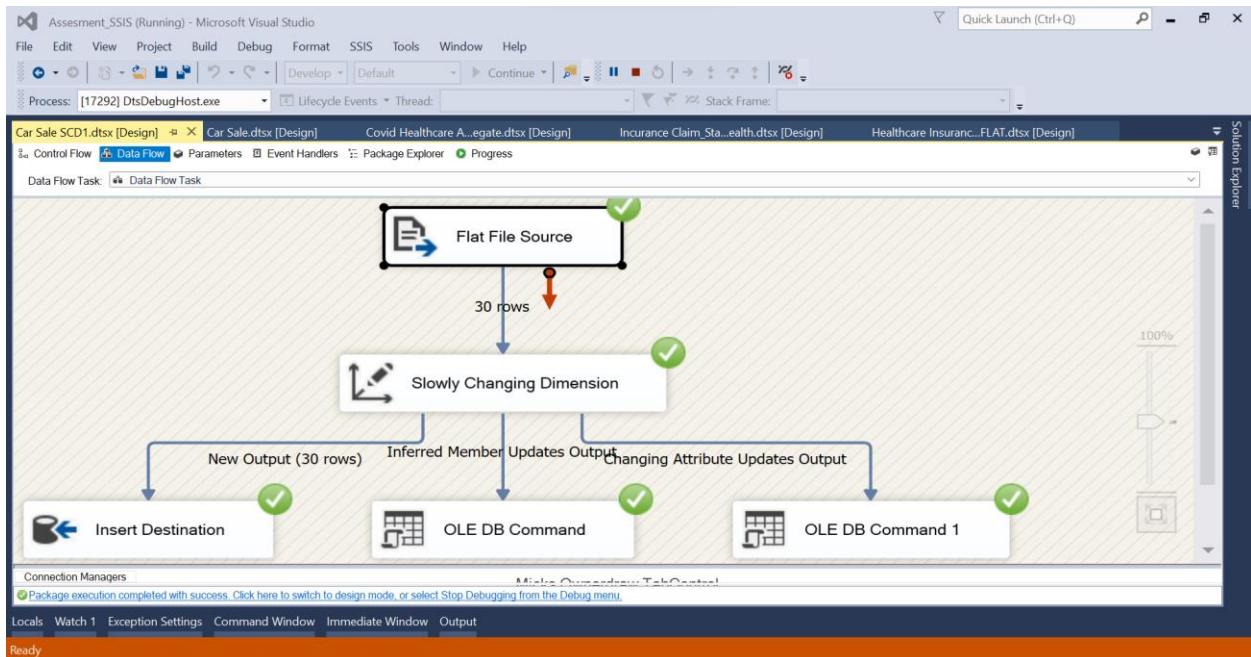
Step 2 - Business Key (Supplier_ID) - SCD1



Step 3 - Changing Attribute (Supplier_Name) - SCD1



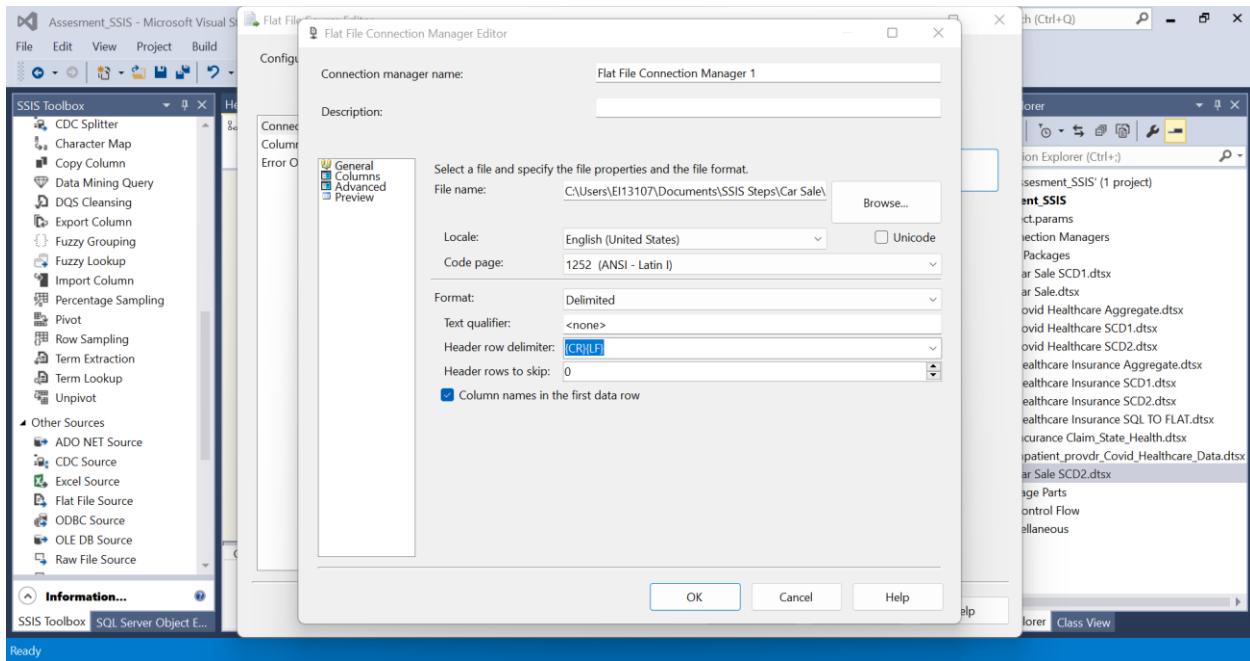
Step 4 - Execute



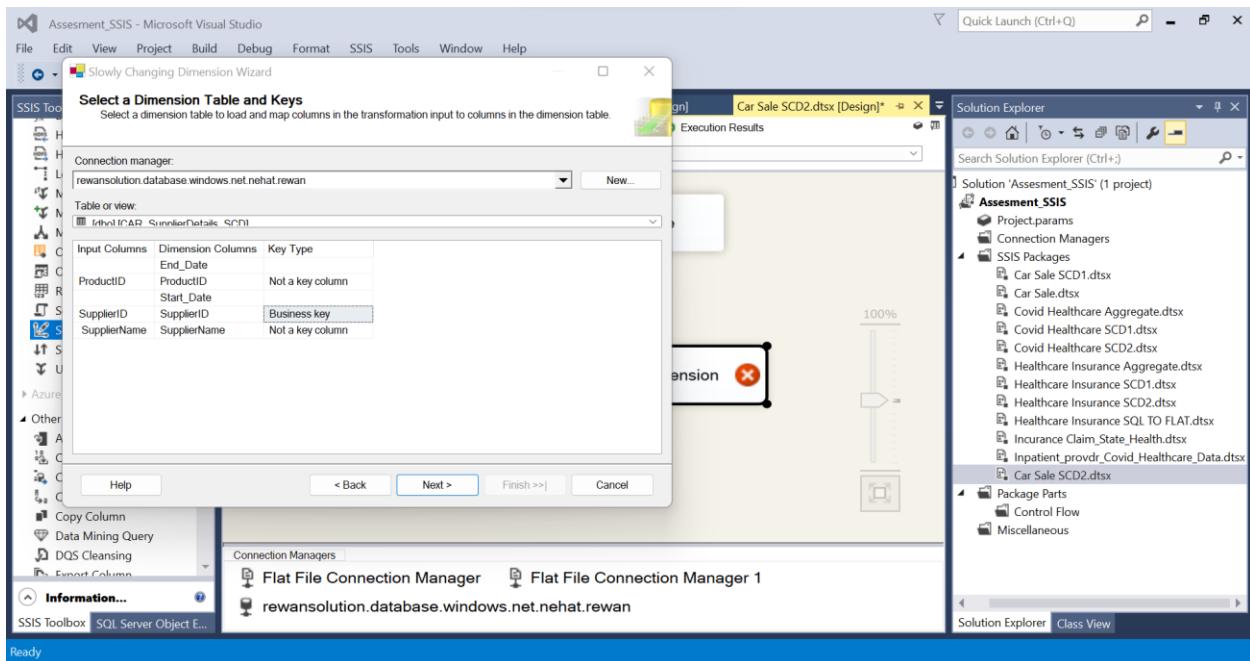
Step 5 - Updated - Result

SCD2

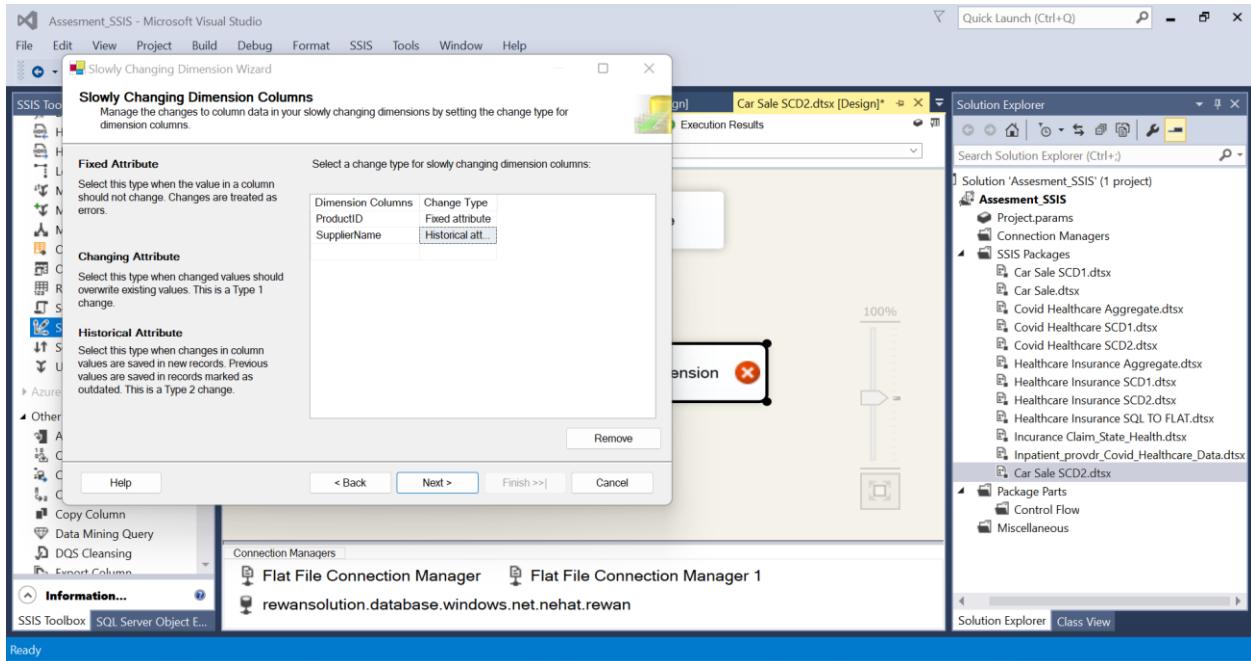
Step 1 - Flat File Source



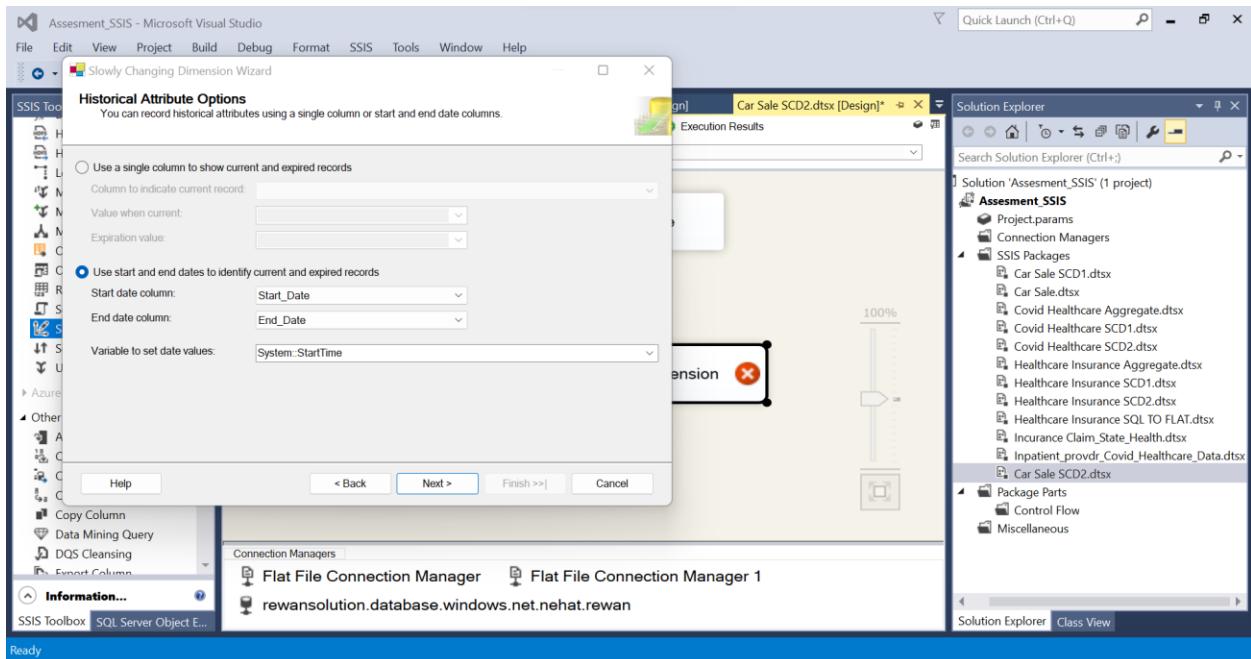
Step 2 - Business Key (Supplier_ID) - SCD2



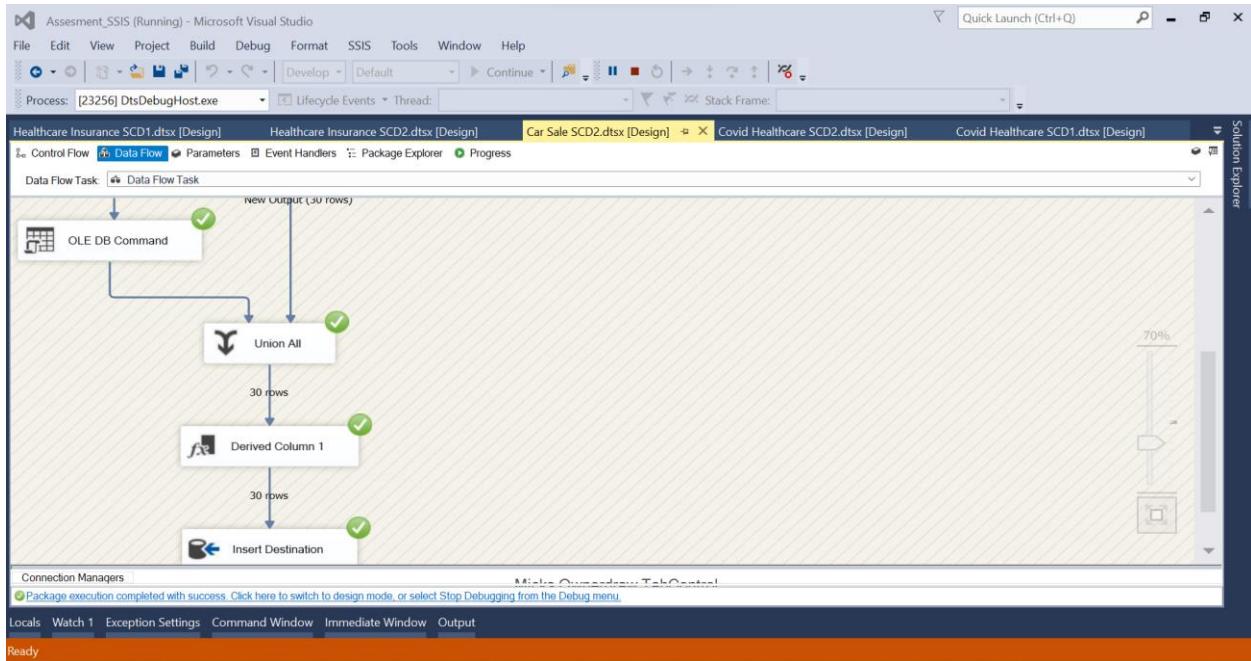
Step 3 - Historical Attribute (Supplier_Name) - SCD2



Step 4 - Start and End date - SCD2



Step 5 - Execute



Step 6 - Updated record and Historical record SCD2

The screenshot shows the DBBeaver interface connected to a database named "Module 2 - SSIS (Covid Healthcare)". The left sidebar shows the Database Navigator with a project named "Module 2" and a database named "nehat". The central area shows SQL Editor with the following code:

```

--(Car Sales & Shipment Datasource)
SELECT * FROM CAR_SupplierDetails

CREATE TABLE CAR_SupplierDetails_SCD
(
    SupplierID INT,
    SupplierName VARCHAR(50),
    ProductID INT,
    Start_Date DATE,
    End_Date DATE
)

SELECT * FROM CAR_SupplierDetails_SCD

```

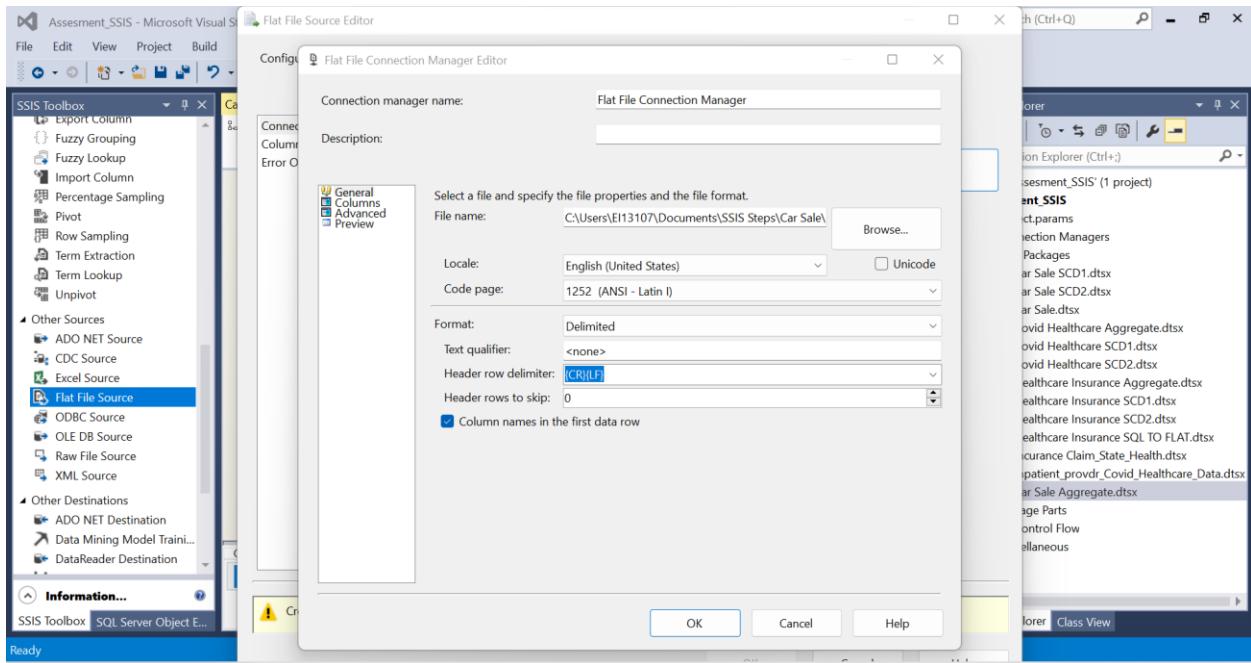
The SQL editor also contains a note: "--UPDATED SupplierName = 'KIRAN' WHERE SupplierID =30 IN CAR_SupplierDetails TABLE (Flat File)". Below the editor, the Results tab shows the output of the last query:

	SupplierID	SupplierName	ProductID	Start_Date	End_Date
Grid	26	Photobug	3,962	2022-10-07	[NULL]
Text	27	Flashset	480	2022-10-07	[NULL]
Record	28	Kamba	7,827	2022-10-07	[NULL]
Text	29	Tazzy	4,263	2022-10-07	[NULL]
Record	30	Rhyloo	4,533	2022-10-07	2022-10-07
Text	31	KIRAN	4,533	2022-10-07	[NULL]

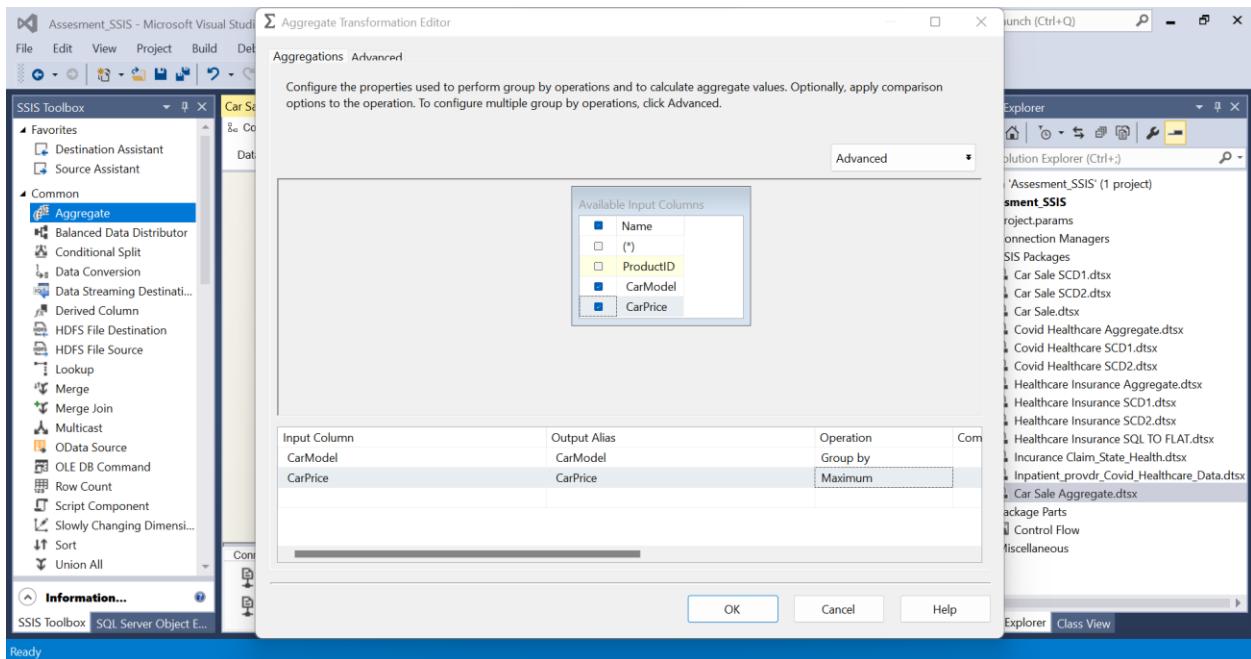
The status bar at the bottom indicates "Rows: 0 31 row(s) fetched - 89ms, on 2022-10-07 at 11:42:52".

AGGREGATE

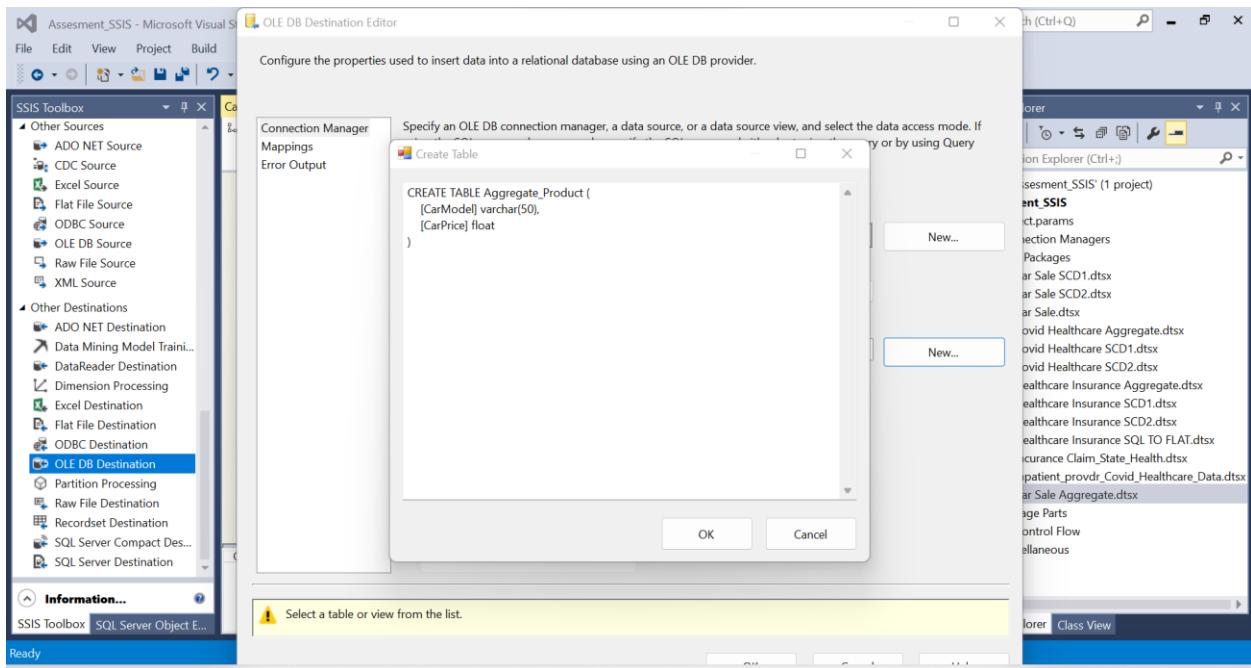
Step 1 - Flat File Source



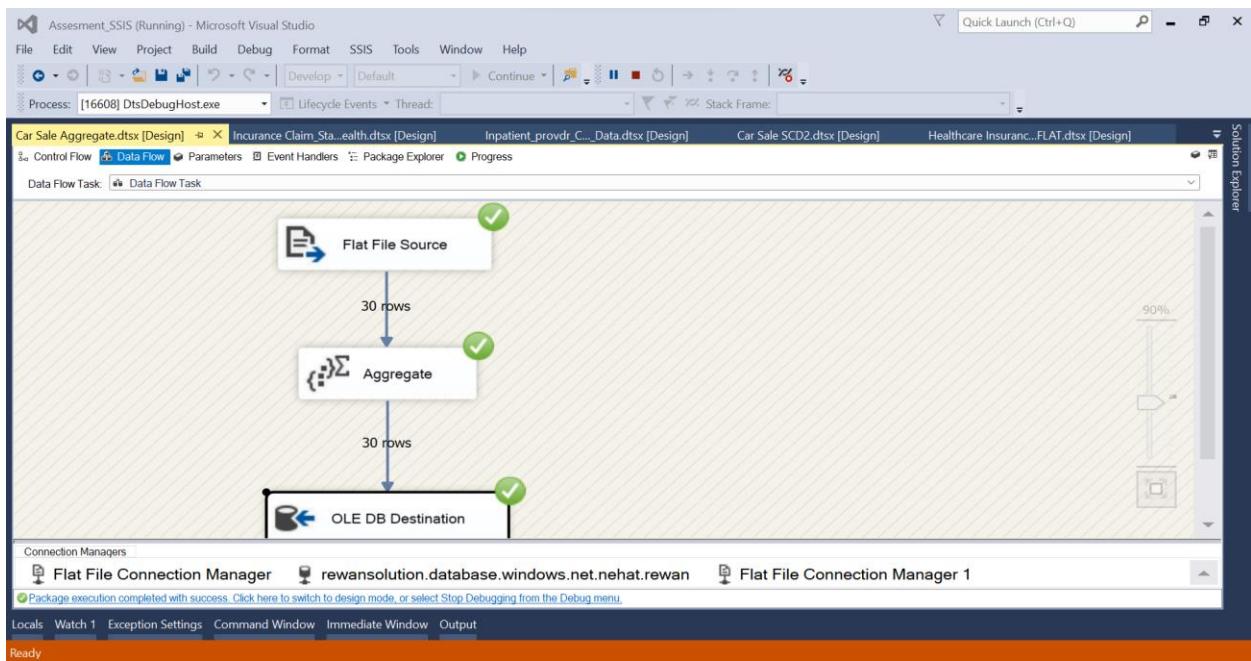
Step 2 – Perform Aggregation



Step 3 - Create Destination



Step 4- Execute



Step 5 – Result

Max of CarPrice Group by CarModel

DBeaver 22.2.0 - <nehat> Module 2 - SSIS (Covid Healthcare)

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator Projects

Enter a part of object name here

diithe - rewsolutions.database.windows.net:1433
nehat - rewsolutions.database.windows.net:1433

Databases
nehat
Schemas
dbo
Tables
Views
Indexes
Procedures
Sequences
Synonyms
Triggers
Data Types
Database triggers
Security
Administrator

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

Project - General

Name Data Source

Bookmarks
Diagrams
Scripts

SQL Commit Rollback Auto nehat dbo@nehat

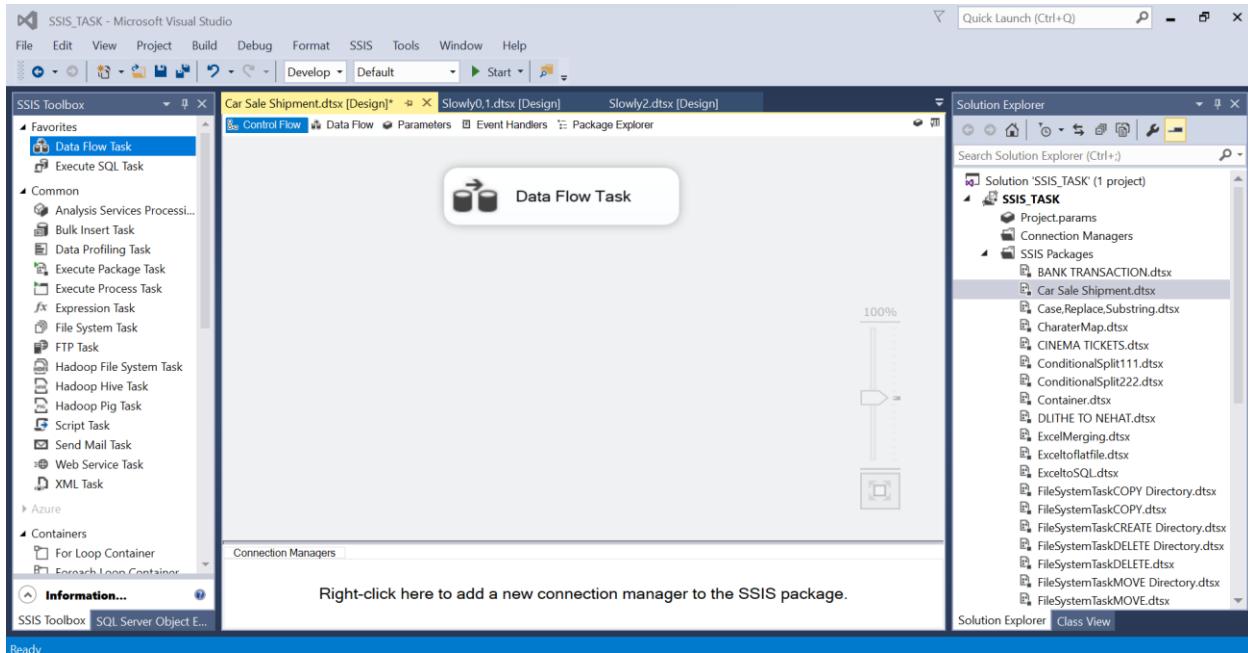
SELECT * FROM CAR_ProductDetails
--Aggregate
--Maximum of CarPrice Group By CarModel
SELECT * FROM Aggregate_Product

Results 1 ×
SELECT * FROM Aggregate_Product Enter a SQL expression to filter results (use Ctrl+Space)
Grid
CarModel CarPrice
1 CL-Class 568,015.89
2 Pathfinder 670,304.84
3 Justy 798,573.59
4 X6 528,353.8
5 Monte Carlo 569,743.98
6 Celica 702,988.61
7 Cube 669,596.52
8 7 Series 767,834.18
9 Galant 706,964.35
10 Impreza 546,977.55
11 Avenger 646,501.02

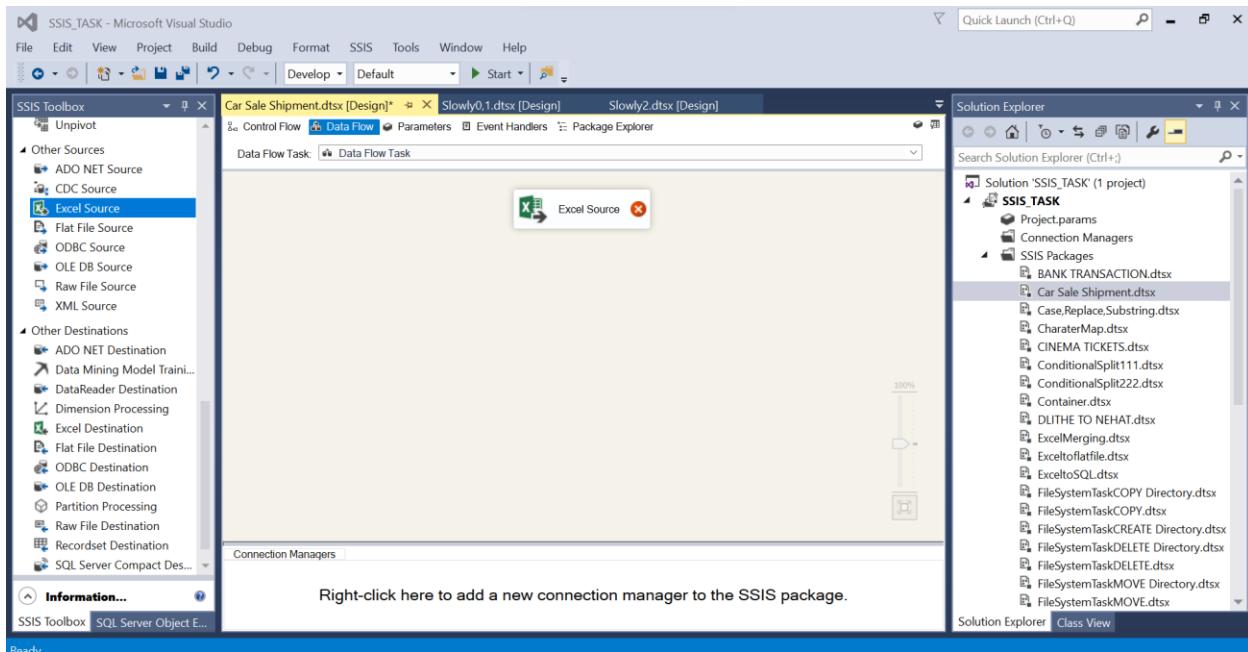
Record Value
Save Cancel Script K > K 200 30 Rows: 1 30 row(s) fetched - 4.981s, on 2022-10-07 at 12:21:11 IST en Writable Smart Insert 116 : 24 : 2286 Sel: 0 | 0

EXCEL TO SQL

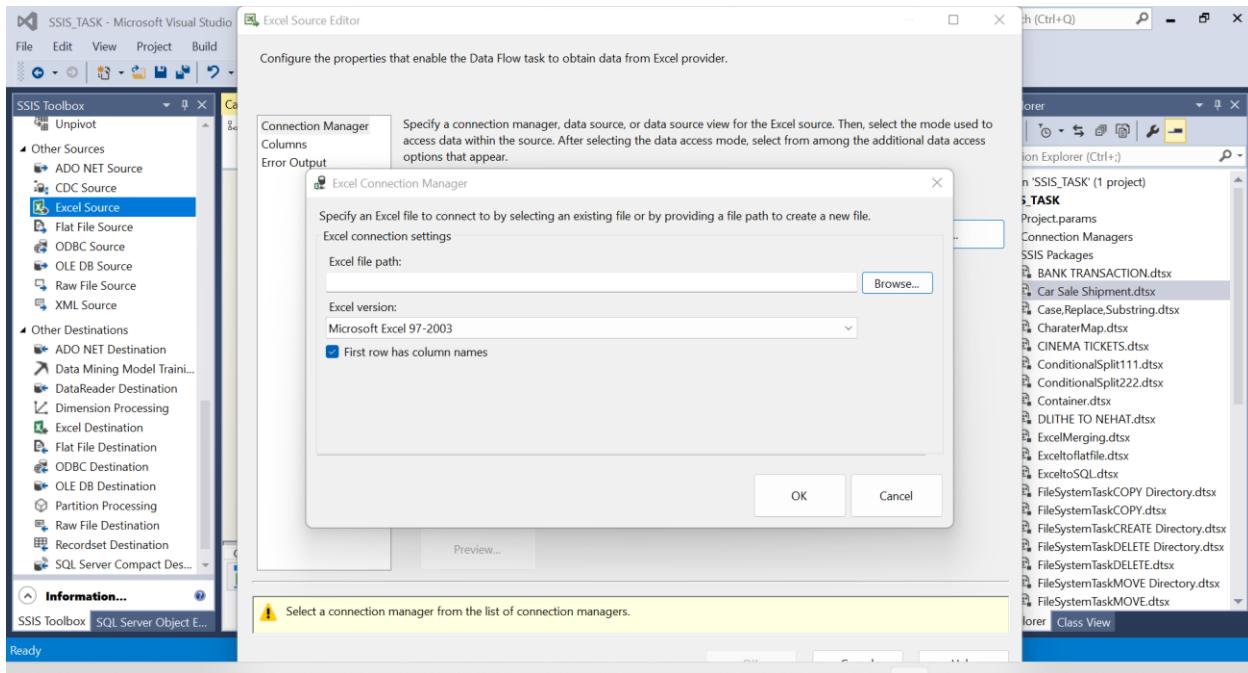
Step 1 - Data Flow



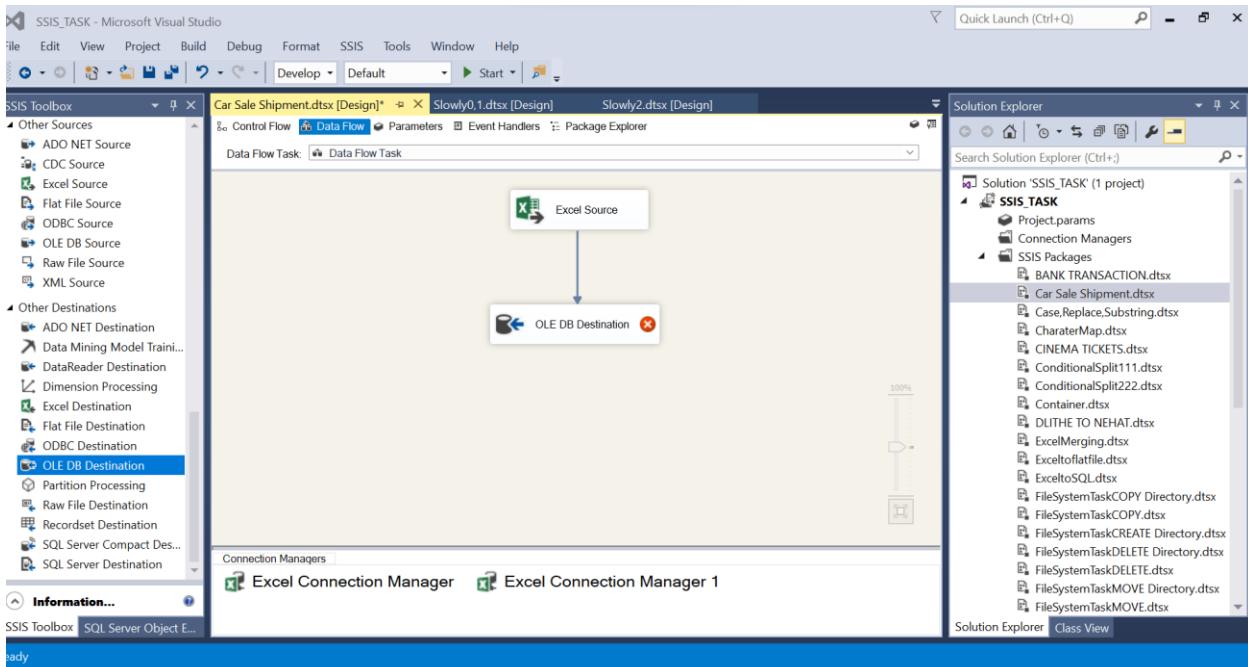
Step 2-Source File



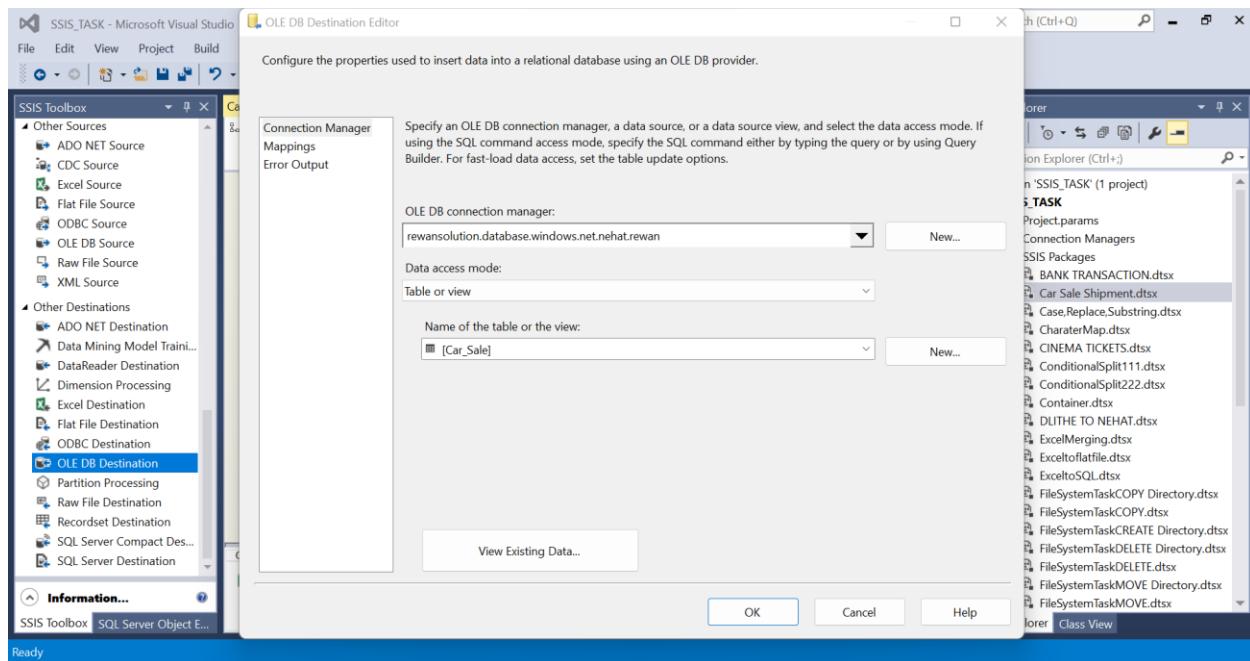
Step 3-Browse the source file



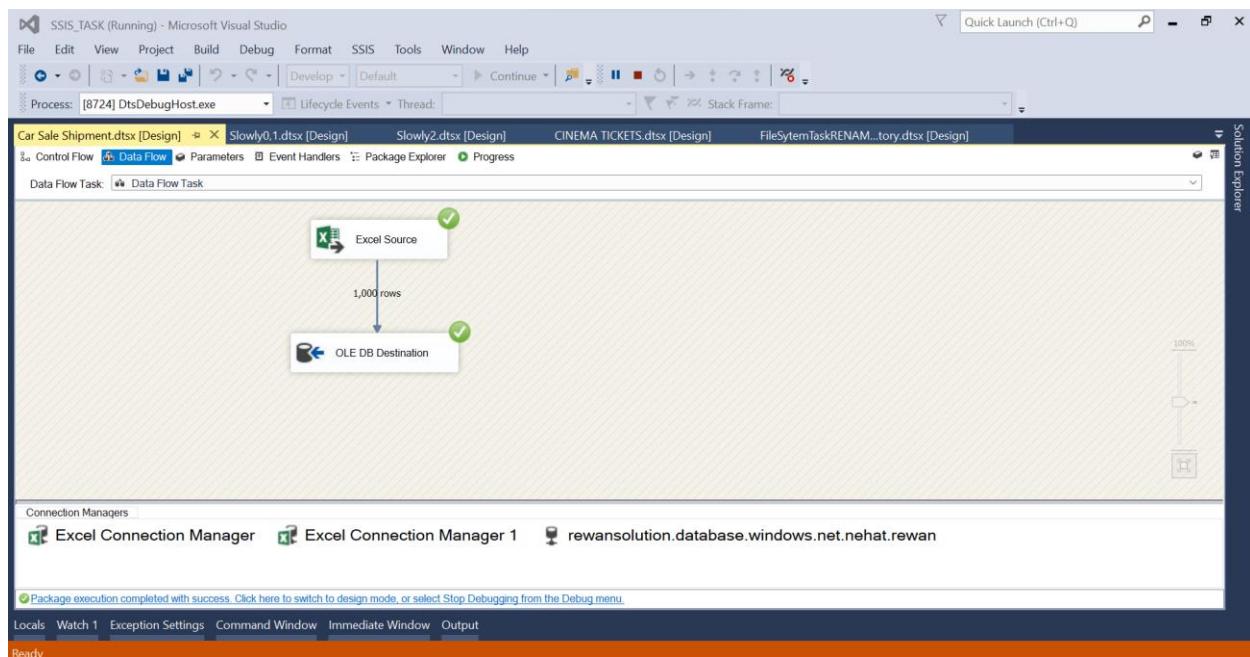
Step 4-Destination File



Step 5-Connection and Browse Table



Step 6-Execute Package



Step 7-Data loaded into SQL

The screenshot shows the DBeaver interface with the following details:

- File Bar:** File, Edit, Navigate, Search, SQL Editor, Database, Window, Help.
- Toolbar:** Undo, Redo, Cut, Copy, Paste, SQL, Commit, Rollback, Auto, Save, Refresh, Connect, Disconnect, Database Navigator, Projects, Database, Window.
- Database Navigator:** Shows connections to dlinhe (rewansolution.database.windows.net:1433), nehat (rewansolution.database.windows.net:1433), and oracle-88094-0.cloudclusters.net (oracle-88094-0.cloudclusters.net).
- SQL Editor:** Contains the query: `SELECT * FROM Car_Sale`.
- Results Grid:** Displays the results of the query. The grid has 20 rows and columns for SupplierID, SupplierAddress, SupplierName, SupplierContactDetails, ProductID, CarMaker, and CarModel. The data includes various car models like Dodge Ram 2500, Toyota Tundra, GMC Savana 1500, Volkswagen Cabriolet, Mercury Mariner, Subaru Impreza, BMW X6, Mitsubishi Galant, Subaru Justy, Mercedes-Benz M-Class, Ford Taurus X, Mercedes-Benz CL-Class, Dodge Avenger, Nissan Pathfinder, BMW M3, Mercedes-Benz R-Class, Honda FCX Clarity, Toyota Corolla, and Ford Tempo.
- Project - General:** Shows a list of bookmarks, diagrams, and scripts.
- Status Bar:** Shows the number of rows (200), the time taken (390ms), and the fetch time (57ms).