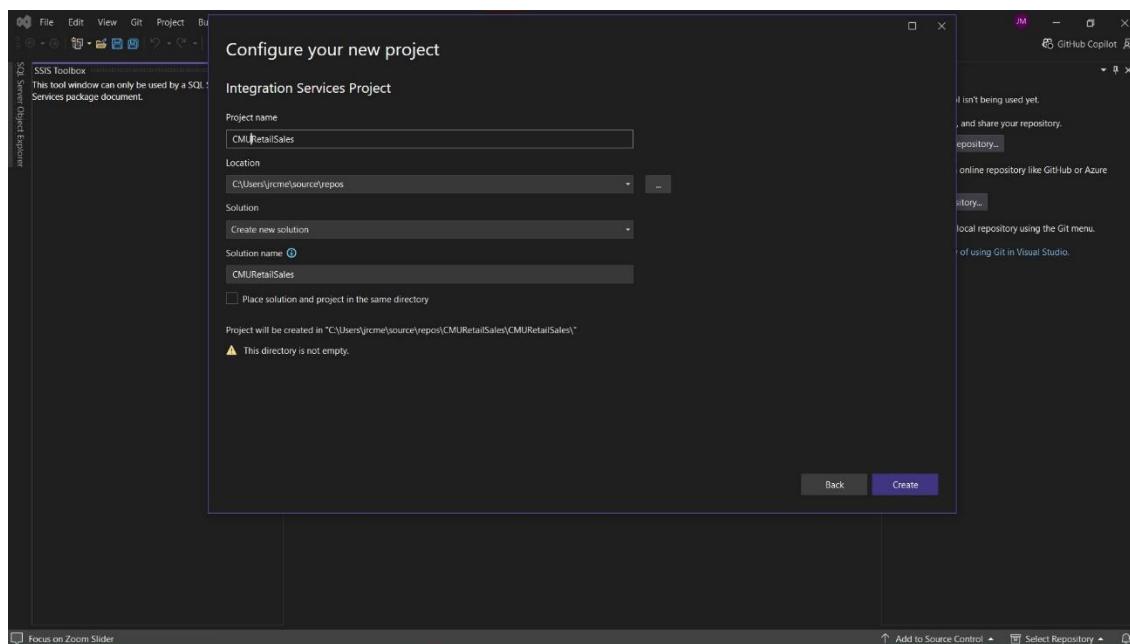
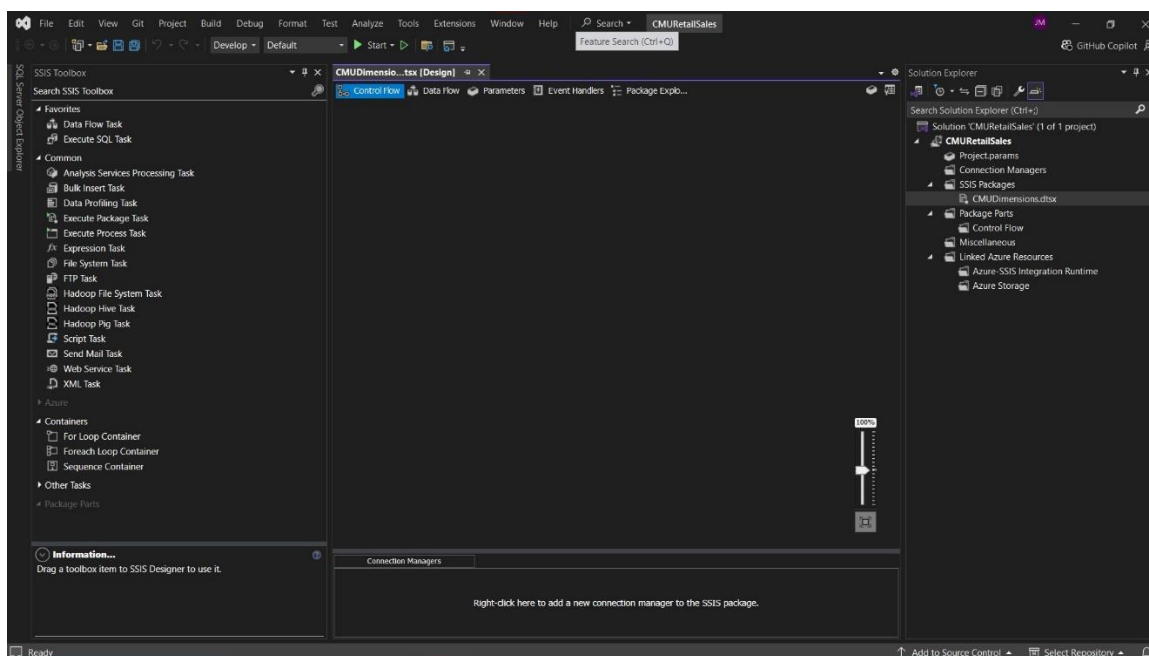


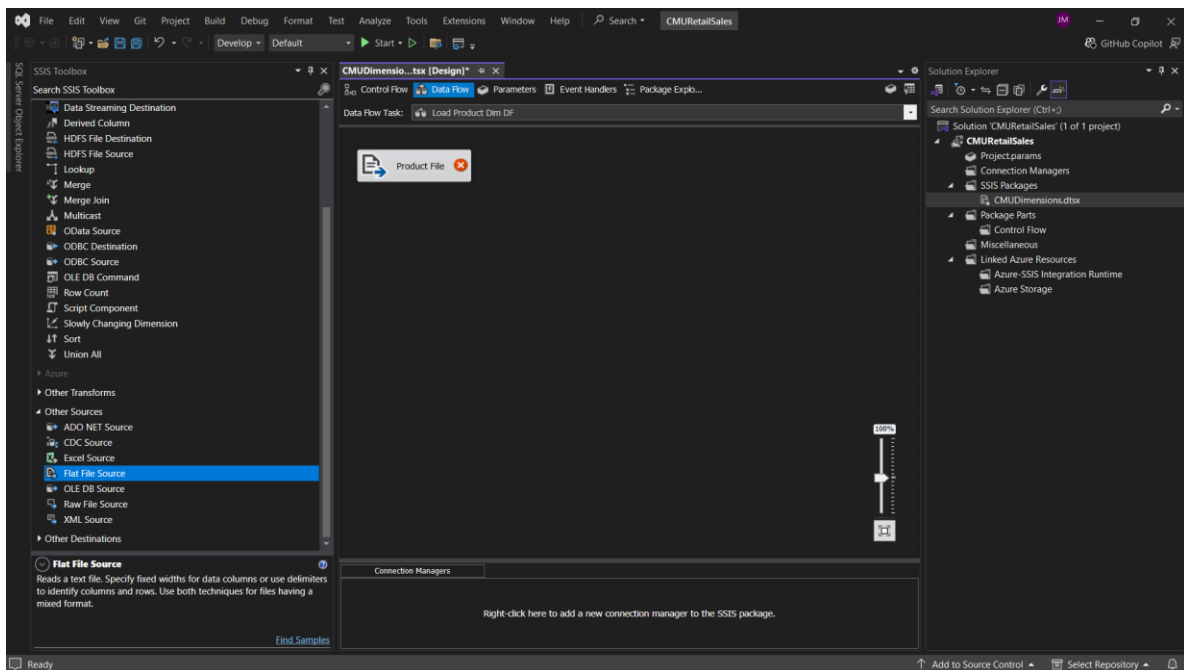
Data Mining Lab Exercise #1



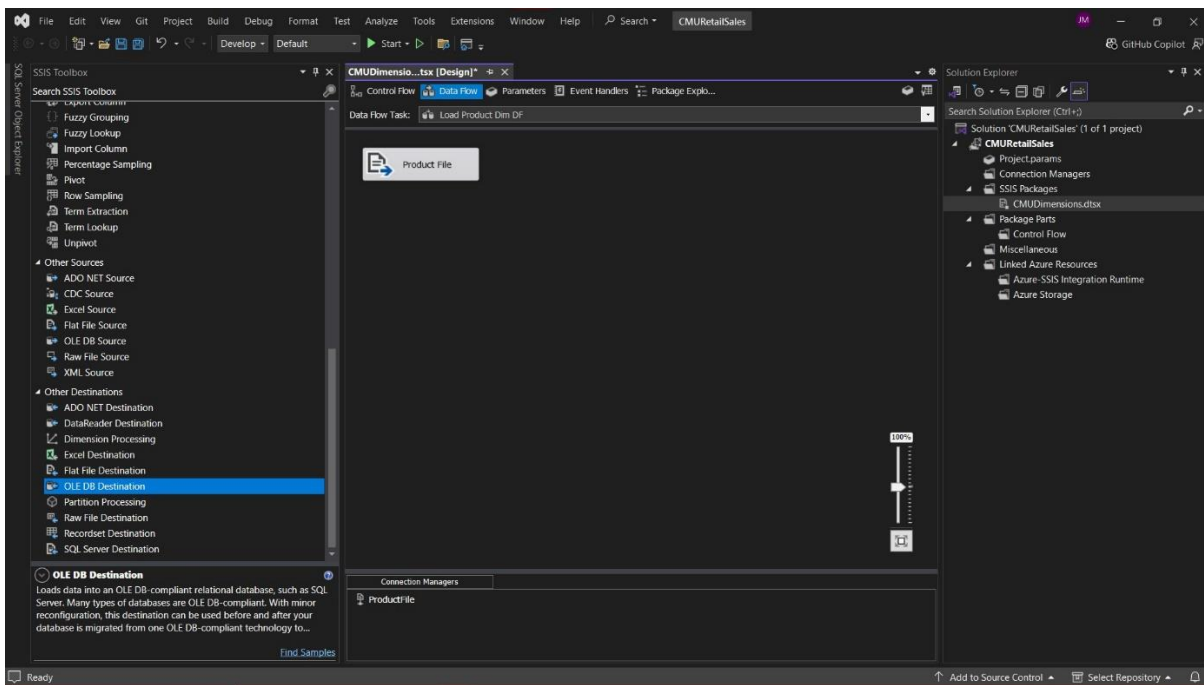
Creating Integration Service Project



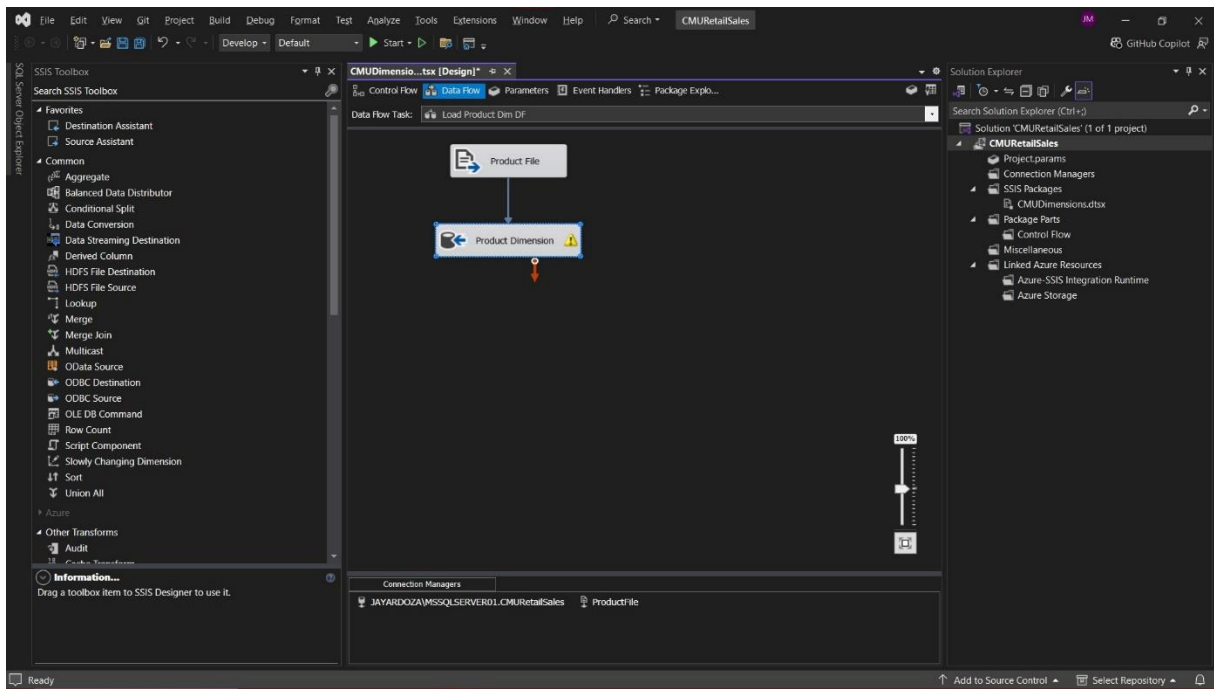
Renaming Data Package



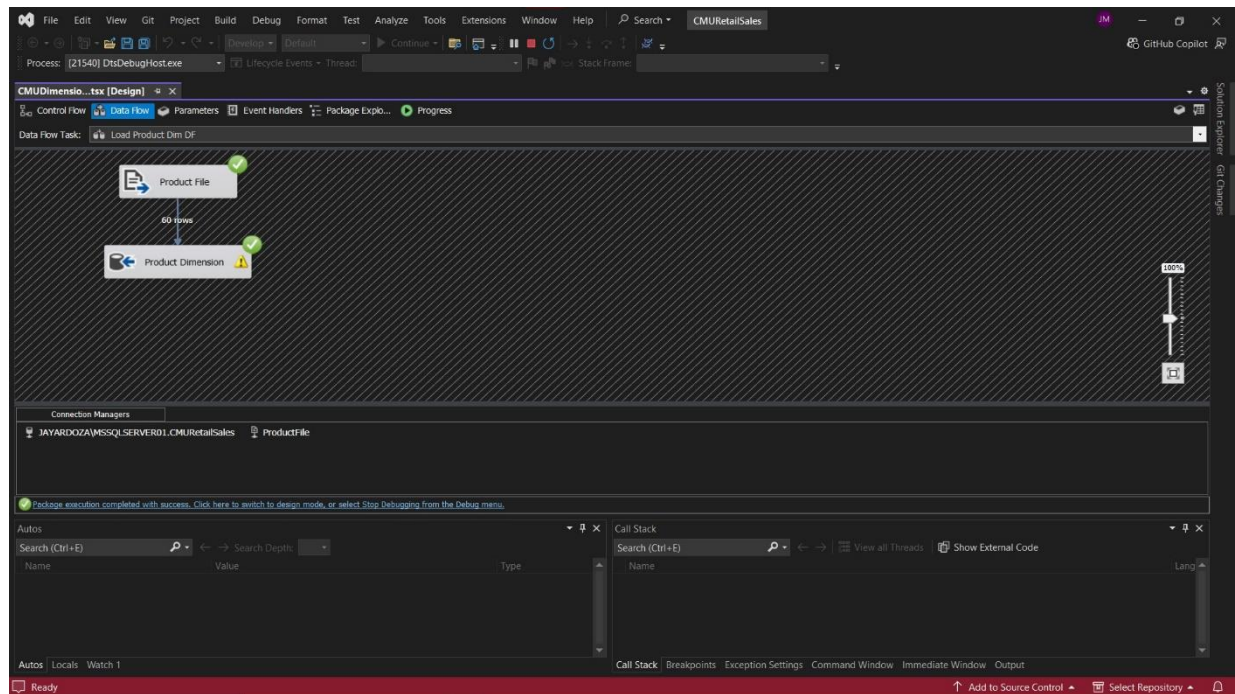
Product File



Product File No Errors



Product Dimension Mapping



Product Dimension Mapping Test

SQLQuery1.sql - J:\ARDOZA\jrcme (SS) - Microsoft SQL Server Management Studio

```

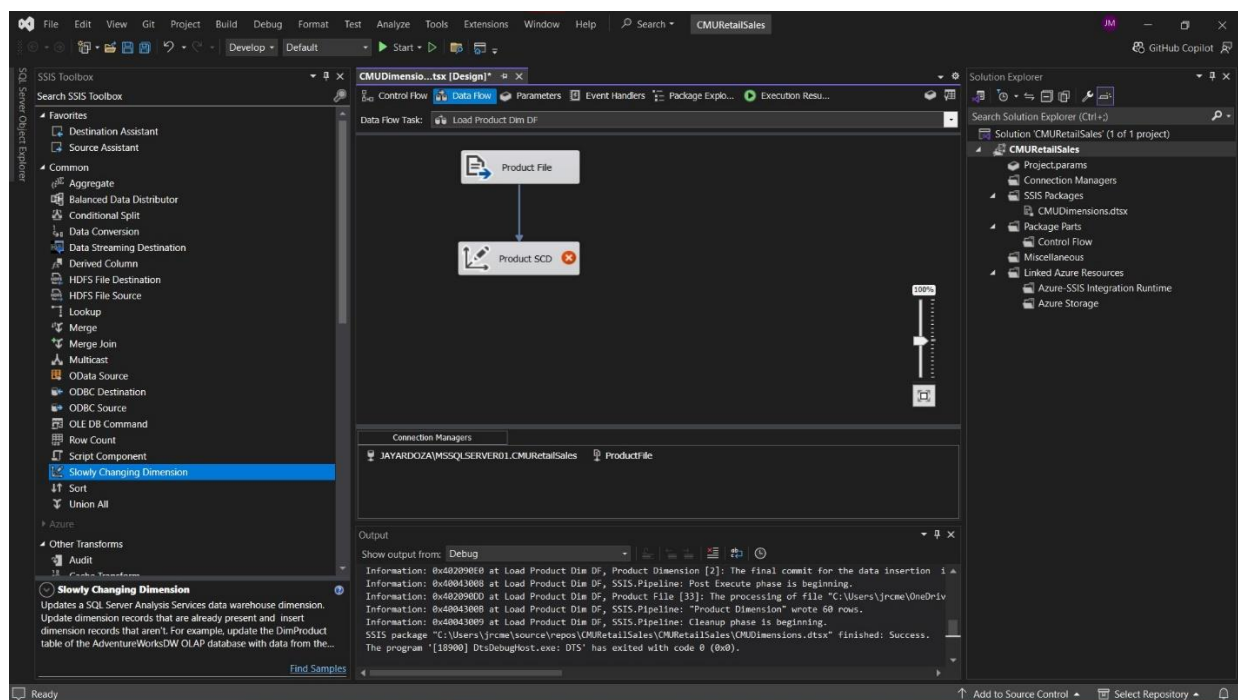
SELECT TOP (1000) [ProductKey]
      , [ProductName]
      , [ProductDescription]
      , [SKU]
      , [Brand]
      , [Category]
      , [Department]
      , [ActiveInd]
FROM [CMURetailSales].[dbo].[DimProduct]

```

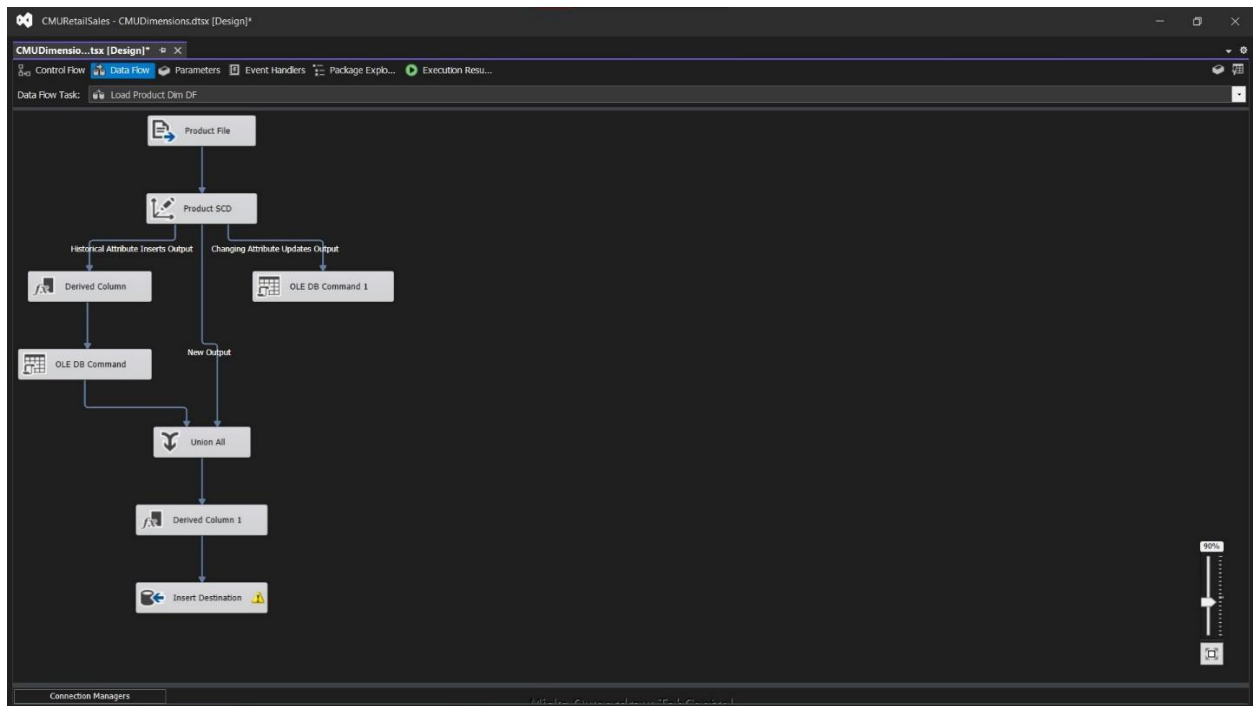
ProductKey	ProductName	ProductDescription	SKU	Brand	Category	Department	ActiveInd
33	Paper Towels	Paper Towels 12 oz	629743271839	Squeezable Inc.	Supplies	Household	1
34	Dry Tissues	Dry Tissues 7.5 oz	43077173902	Squeezable Inc.	Supplies	Household	1
35	Wet Wipes	Wet Wipes 12 oz	92022763643	Squeezable Inc.	Supplies	Household	1
36	Salty Corn	Salty Corn 3 oz	5493555685	American Corn	Food	Grocery	1
37	Dried Onions	Dried Onions 1 oz	11158404406	American Corn	Food	Grocery	1
38	Power Chips	Power Chips 4.5 oz	5194849650	American Corn	Food	Grocery	1
39	Onion Slices	Onion Slices 4.5 oz	72546822646	Western Veget.	Food	Grocery	1
40	Buffalo Jerky	Buffalo Jerky 4.5 oz	37331588167	Western Veget.	Food	Grocery	1
41	Lesagna	Lesagna 13.5 oz	84302852771	Cold Gourmet	Food	Grocery	1
42	Beef Stew	Beef Stew 13.5 oz	23430942207	Cold Gourmet	Food	Grocery	1
43	Turkey Dinner	Turkey Dinner 18 oz	77016020553	Frozen Bird	Food	Grocery	1
44	Chicken Dinner	Chicken Dinner 18 oz	83931167559	Frozen Bird	Food	Grocery	1
45	Extra Nougat	Extra Nougat 4.5 oz	76234081227	Chewy Industries	Food	Grocery	1
46	Lots of Nuts	Lots of Nuts 4.5 oz	85681418862	Chewy Industries	Food	Grocery	1
47	Sweet Tooth	Sweet Tooth 4.5 oz	32943552303	Chewy Industries	Food	Grocery	1
48	Fizzy Light	Fizzy Light 13.5 oz	58652319867	Big Can	Drinks	Grocery	1
49	Fizzy Classic	Fizzy Classic 13.5 oz	64750233722	Big Can	Drinks	Grocery	1
50	Athletic Drink	Athletic Drink 13.5 oz	63998140597	Big Can	Drinks	Grocery	1
51	Strong Cola	Strong Cola 18 oz	7853224893	National Bottle	Drinks	Grocery	1
52	Clear Refresher	Clear Refresher 13.5 oz	20124581254	National Bottle	Drinks	Grocery	1
53	Paper Towels	Paper Towels 18 oz	96357418302	Squeezable Inc.	Supplies	Household	1
54	Dry Tissues	Dry Tissues 11.2 oz	46205094999	Squeezable Inc.	Supplies	Household	1
55	Wet Wipes	Wet Wipes 18 oz	26231258086	Squeezable Inc.	Supplies	Household	1
56	Salty Corn	Salty Corn 4.5 oz	21628878100	American Corn	Food	Grocery	1
57	Dried Onions	Dried Onions 4.5 oz	55891986175	American Corn	Food	Grocery	1
58	Power Chips	Power Chips 6.7 oz	43982125296	American Corn	Food	Grocery	1
59	Onion Slices	Onion Slices 6.7 oz	50616533214	Western Veget.	Food	Grocery	1
60	Buffalo Jerky	Buffalo Jerky 6.7 oz	69467630292	Western Veget.	Food	Grocery	1

Query executed successfully. J:\ARDOZA\MSSQLSERVER01 (15...) J:\ARDOZA\jrcme (SS) CMURetailSales 00:00:00 60 rows

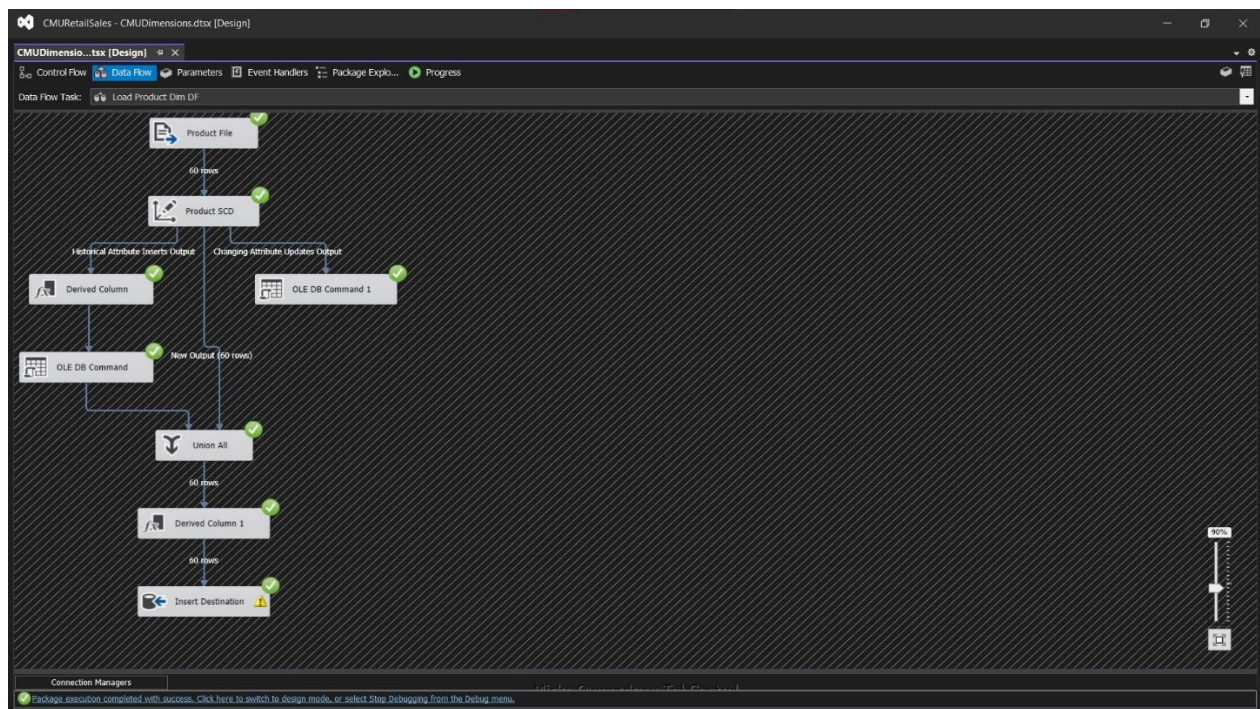
Verify 60 Rows for Product Dimension



Created and Linked Product SCD



Product SCD Mapping and Organized Controls



Product SCD Mapping Test

SQLQuery4.sql - JAYARDOZA\MSSQLSERVER01\CMURetailSales (JAYARDOZA\jrcme (58)) - Microsoft SQL Server Management Studio

Object Explorer

SQLQuery4.sql - JAYARDOZA\jrcme (58)

```

SELECT TOP (1000) [ProductKey]
, [ProductName]
, [ProductDescription]
, [SKU]
, [Brand]
, [Category]
, [Department]
, [ActiveInd]
FROM [CMURetailSales].[dbo].[DimProduct]

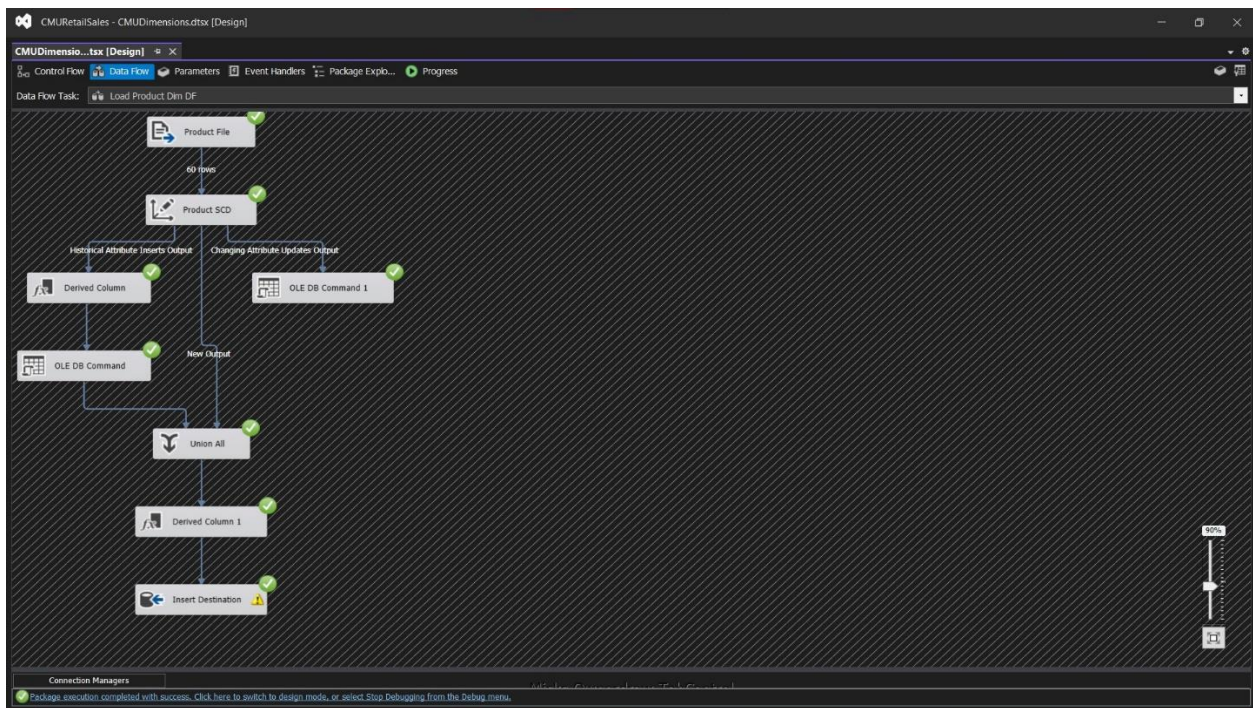
```

Results

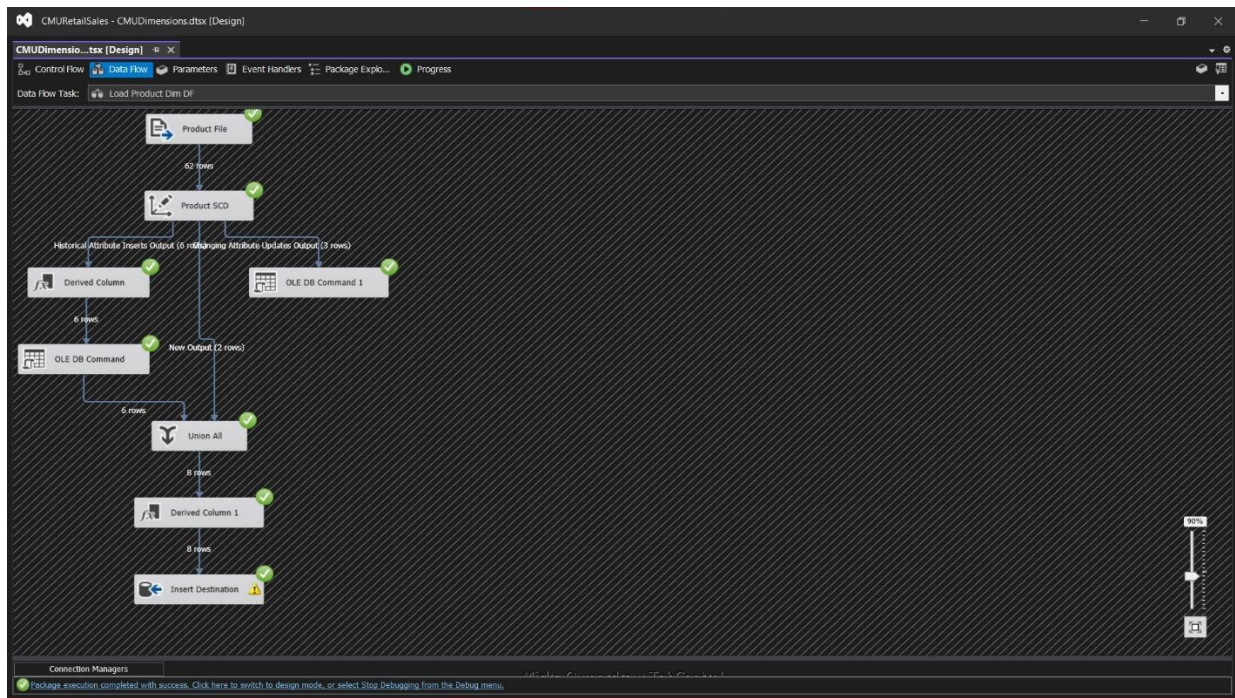
ProductKey	ProductName	ProductDescription	SKU	Brand	Category	Department	ActiveInd
44	164	Chicken Dinner	Chicken Dinner 18...	83931167859	Frozen Bvd	Food	Grocery
45	165	Extra Nougat	Extra Nougat 4.5 oz	76234281227	Chewy Industries	Food	Grocery
46	166	Lots of Nuts	Lots of Nuts 4.5 oz	85681418862	Chewy Industries	Food	Grocery
47	167	Sweet Tooth	Sweet Tooth 4.5 oz	32943352203	Chewy Industries	Food	Grocery
48	168	Fizzy Light	Fizzy Light 13.5 oz	59632810867	Big Can	Drinks	Grocery
49	169	Fizzy Classic	Fizzy Classic 13.5 oz	64758233722	Big Can	Drinks	Grocery
50	170	Athletic Drink	Athletic Drink 13.5...	63990140997	Big Can	Drinks	Grocery
51	171	Strong Cola	Strong Cola 18 oz	78532224693	National Bottle	Drinks	Grocery
52	172	Clear Refresher	Clear Refresher 13...	26124501284	National Bottle	Drinks	Grocery
53	173	Paper Towels	Paper Towels 18 oz	96257418302	Squeezable Inc	Supplies	Household
54	174	Dry Tissues	Dry Tissues 11.2 oz	4620504999	Squeezable Inc	Supplies	Household
55	175	Wet Wipes	Wet Wipes 18 oz	26231250086	Squeezable Inc	Supplies	Household
56	176	Salty Corn	Salty Corn 4.5 oz	2162878100	American Corn	Food	Grocery
57	177	Dried Grils	Dried Grils 4.5 oz	59681958178	American Corn	Food	Grocery
58	178	Power Chips	Power Chips 6.7 oz	43992125296	American Corn	Food	Grocery
59	179	Onion Slices	Onion Slices 6.7 oz	5081653214	Western Veget...	Food	Grocery
60	180	Buffalo Jerky	Buffalo Jerky 6.7 oz	89457630292	Western Veget...	Food	Grocery

Query executed successfully. JAYARDOZA\MSSQLSERVER01 (15... JAYARDOZA\jrcme (58)) CMURetailSales 00:00:00 60 rows

Verify 60 Rows for Product SCD



Product SCD Mapping Test with 60 Rows on Source File



Product SCD Mapping Test with 62 Rows, Swapped Product with Product_Time2

SQLQuery5.sql - JAYARDOZA\MSSQLSERVER01\CMURetailSales (JAYARDOZA\jrcme (58)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

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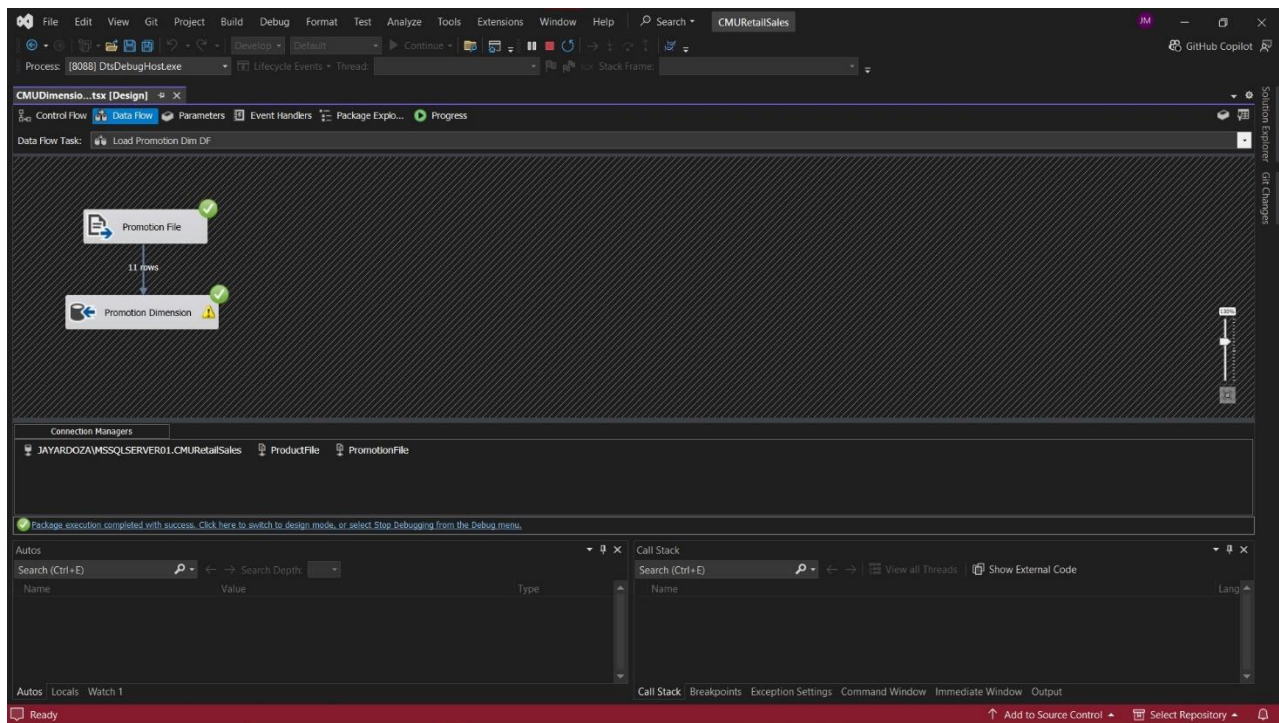
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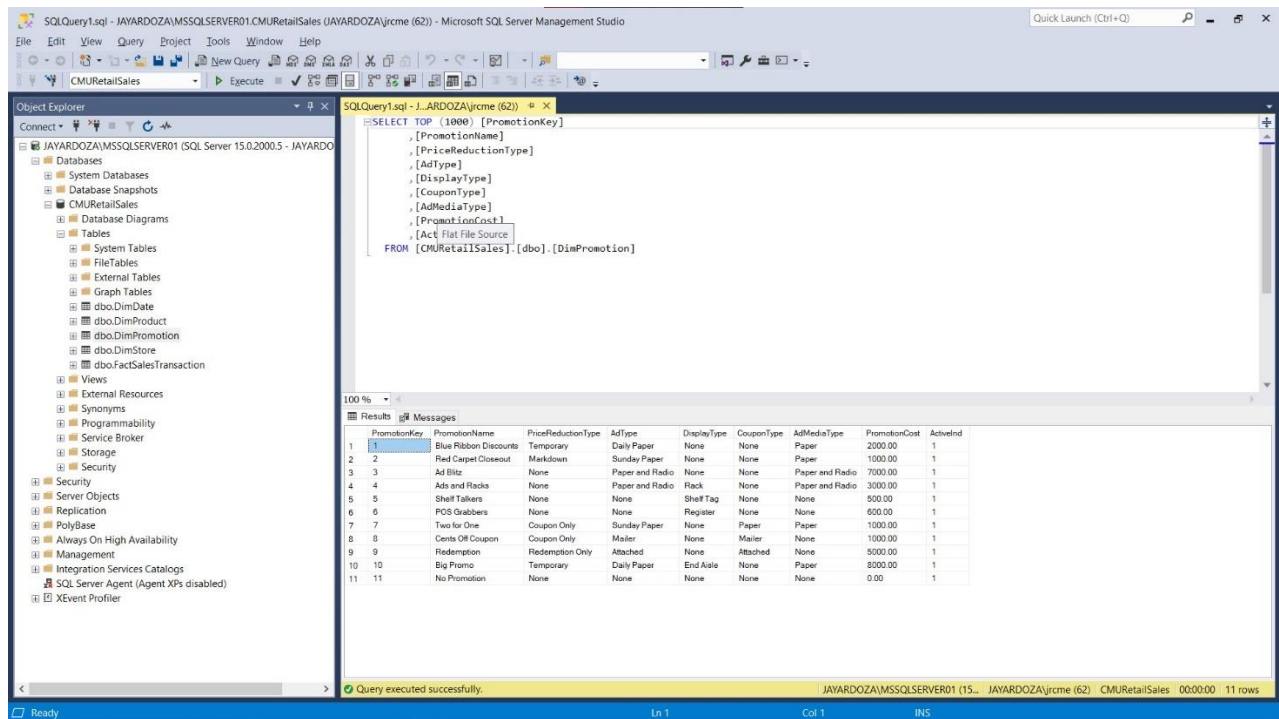
Connect To JAYARDOZA\MSSQLSERVER01 (SQL Server 15.0.2000.5 - JAYARDOZA)

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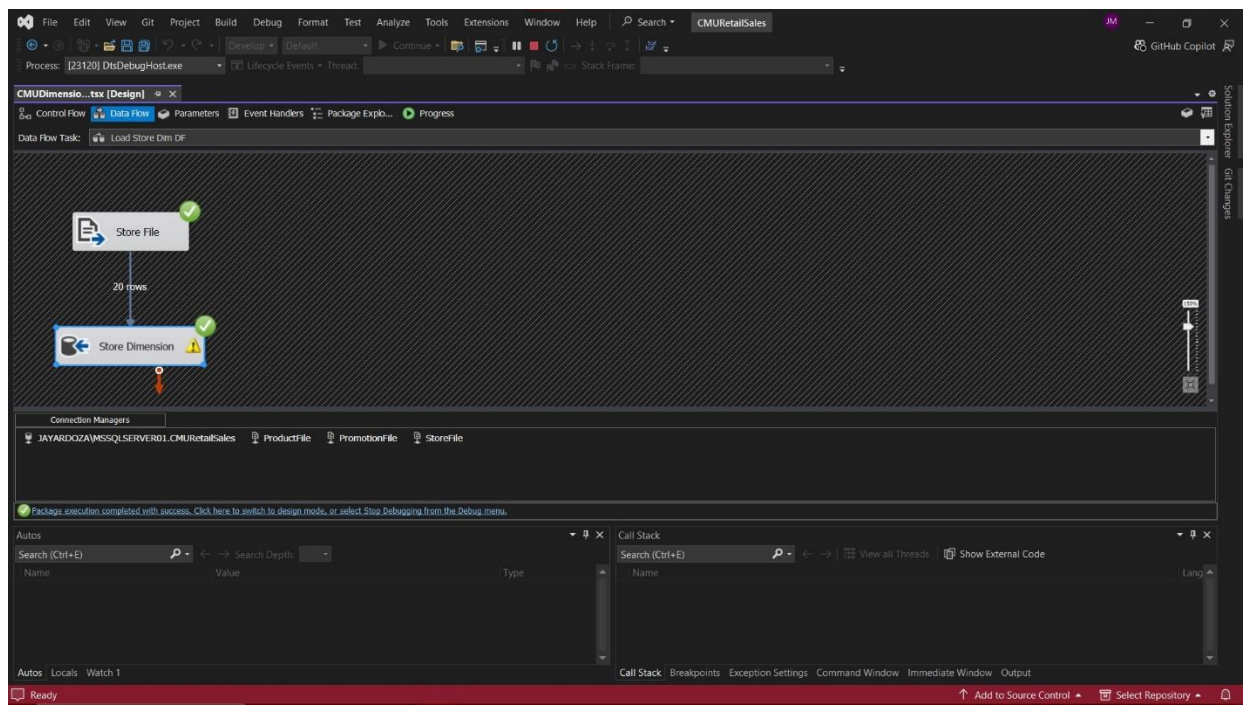
Updated Verify 68 Rows with 6 ActiveInd 0 Records



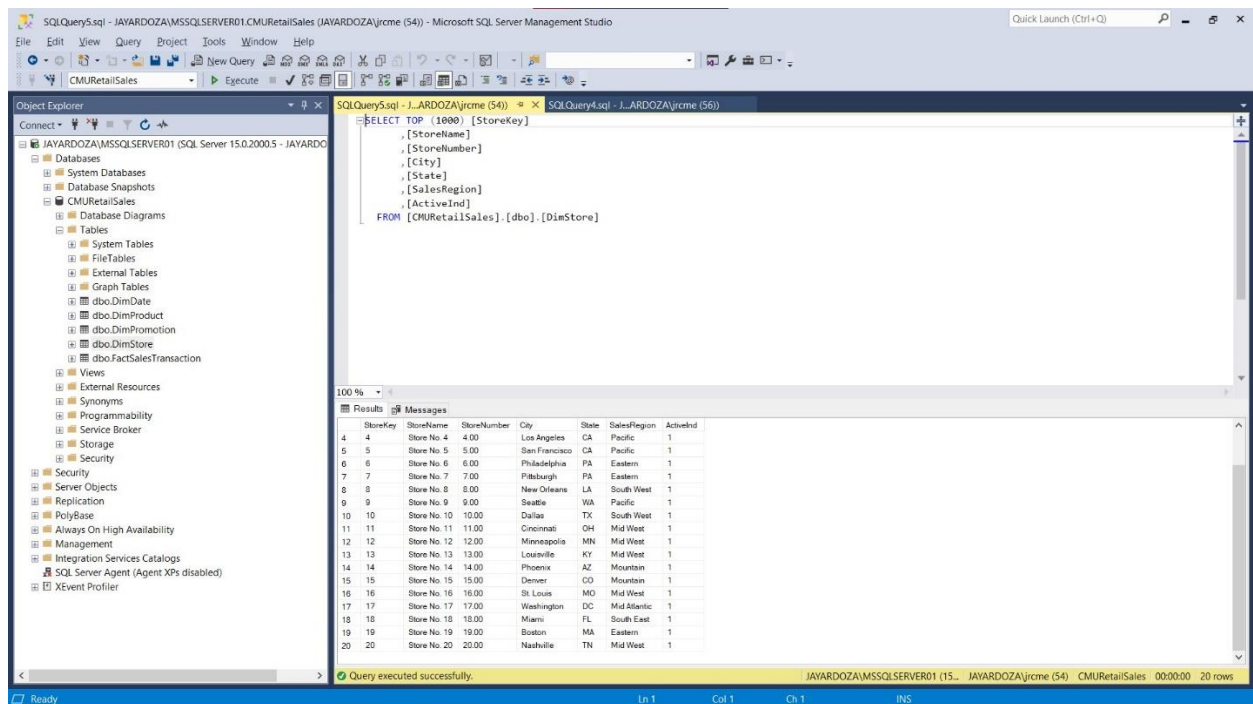
Promotion Dimension Mapping Test



Verify 11 Rows for Promotion Dimension



Store Dimension Mapping Test



Verify 20 Rows for Store Dimension