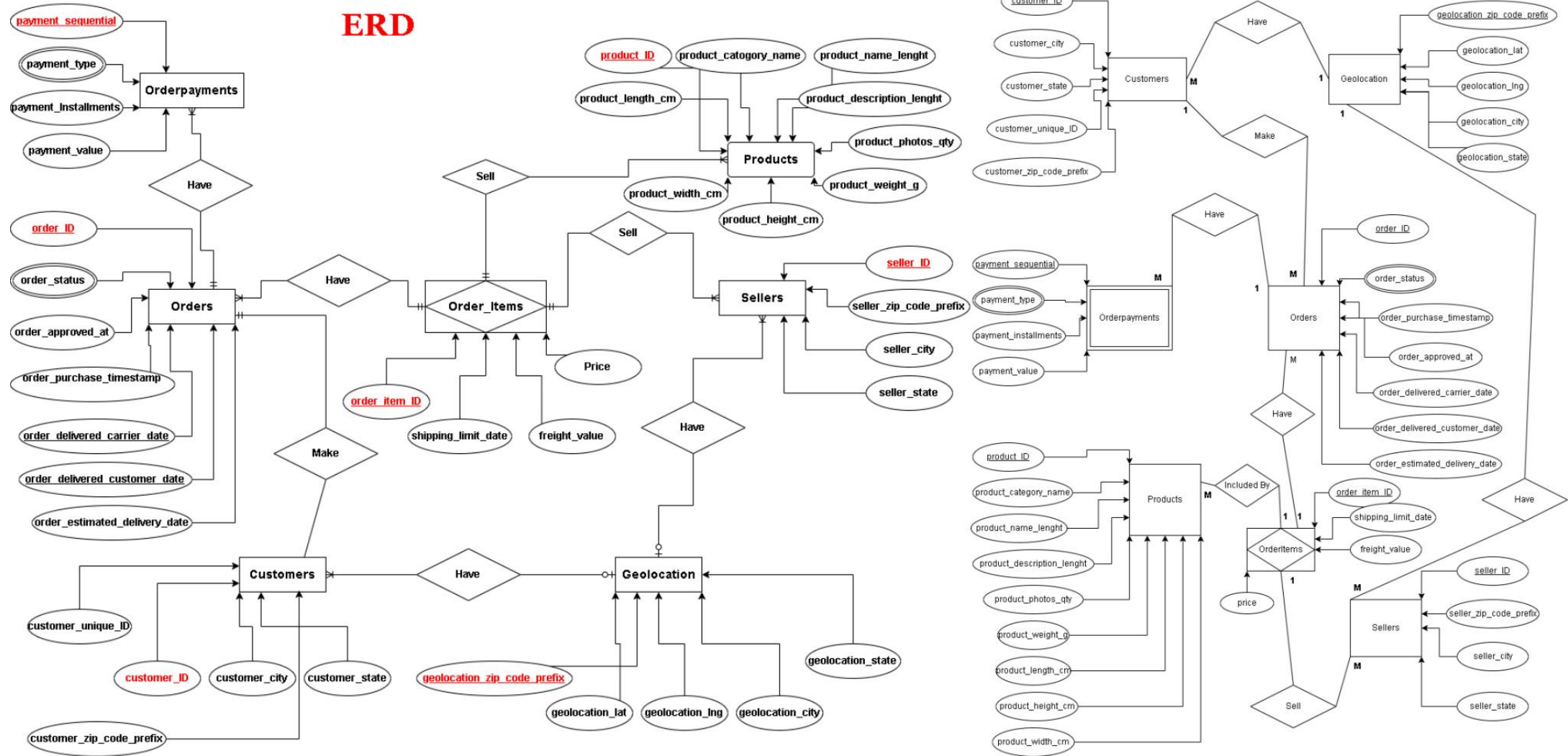
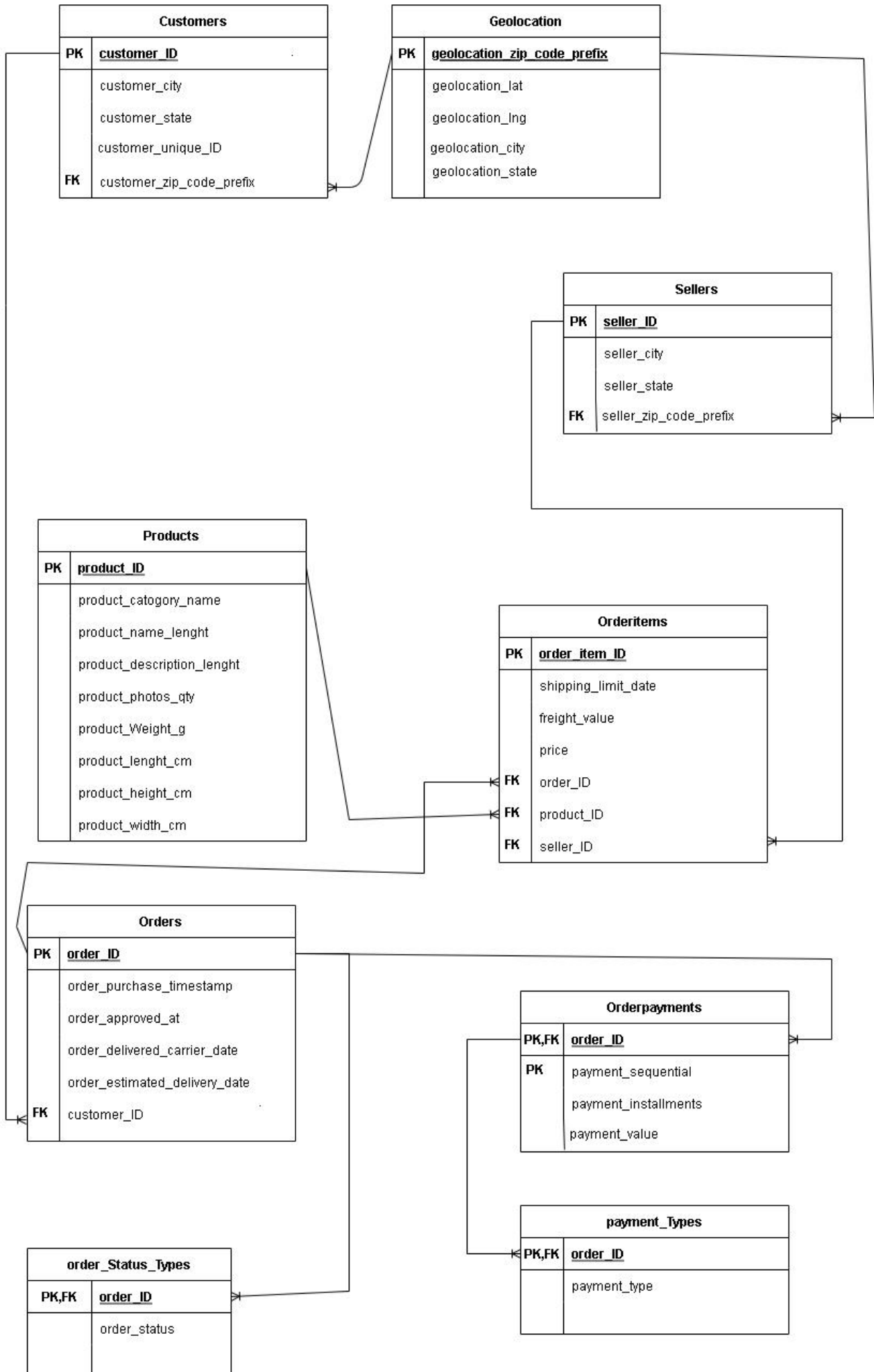


ERD



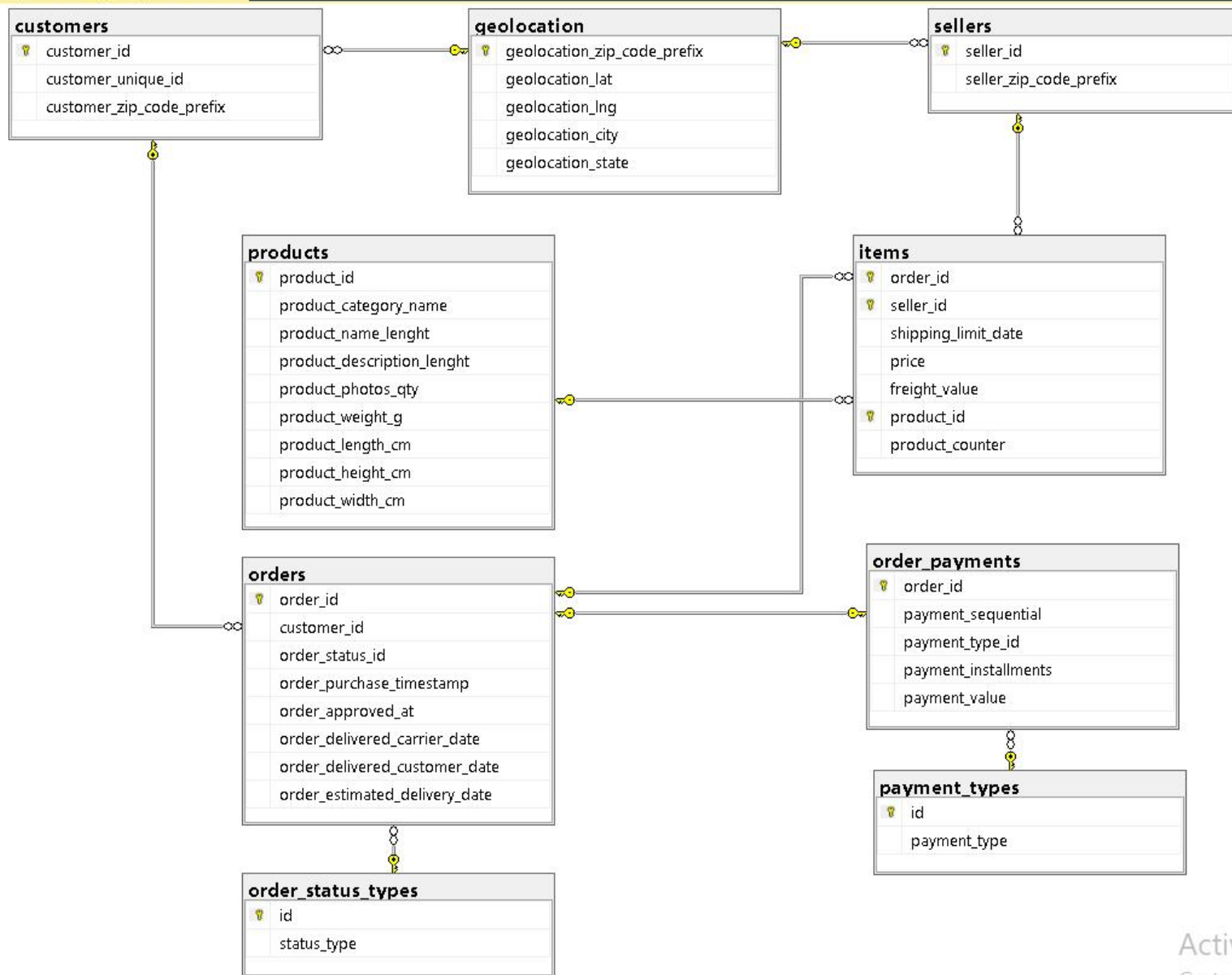
Database Mapping



```

-->>Create The OLTP<<--
-----
-->>DBMS-->>RightClick-->>Tasks-->>Import Data.
-----
-->>Import This Dataset<<--.
--1>>olist_customers_dataset.
--2>>olist_geolocation_dataset.
--3>>olist_order_items_dataset.
--4>>olist_order_payments_dataset.
--5>>olist_orders_dataset.
--6>>olist_products_dataset.
--7>>olist_sellers_dataset.
-----
-->>Delete data From Dataset logical Error>>Insert.
-->>Delete>>Duplicates.
-----
-->>Data Cleaning For Customer ,
-->>Seller and Geolocation Tables<<--
-----
---Checking For customer_id Duplicates in Customers Table---
SELECT * FROM DBMS.dbo.customers as c
order by c.customer_zip_code_prefix
-----
SELECT * FROM DBMS.dbo.geolocation as g
order by g.geolocation_zip_code_prefix
-----
SELECT * FROM DBMS.dbo.customers as c
Where customer_zip_code_prefix Not In (
SELECT geolocation_zip_code_prefix
FROM DBMS.dbo.geolocation)
-->>Order By c.customer_zip_code_prefix.
-->>INSERT Data Not Include In GeoLocation Table
INSERT INTO DBMS.dbo.geolocation(geolocation_zip_code_prefix,geolocation_city,geolocation_state)
SELECT c.customer_zip_code_prefix,c.customer_city,c.customer_state
FROM DBMS.dbo.customers as c
Where customer_zip_code_prefix Not In (
SELECT geolocation_zip_code_prefix
FROM DBMS.dbo.geolocation)
-----
SELECT * FROM DBMS.dbo.geolocation
-----Checking Data-----
SELECT * FROM DBMS.dbo.customers as c
Where customer_zip_code_prefix Not In (
SELECT geolocation_zip_code_prefix
FROM DBMS.dbo.geolocation)
-----
SELECT * FROM DBMS.dbo.geolocation
Where geolocation_lat is NULL and geolocation_lng is Null;
-----

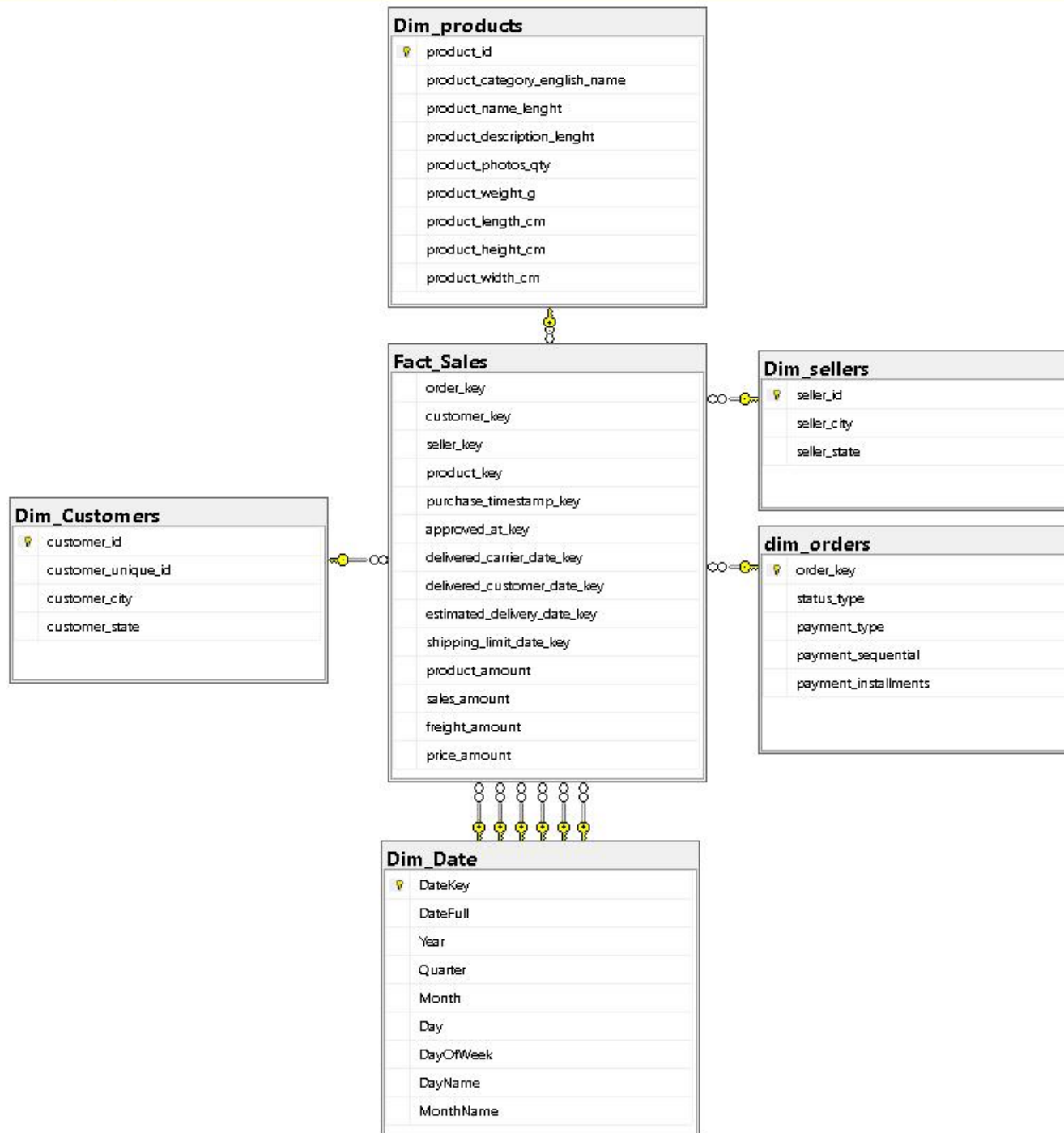
```

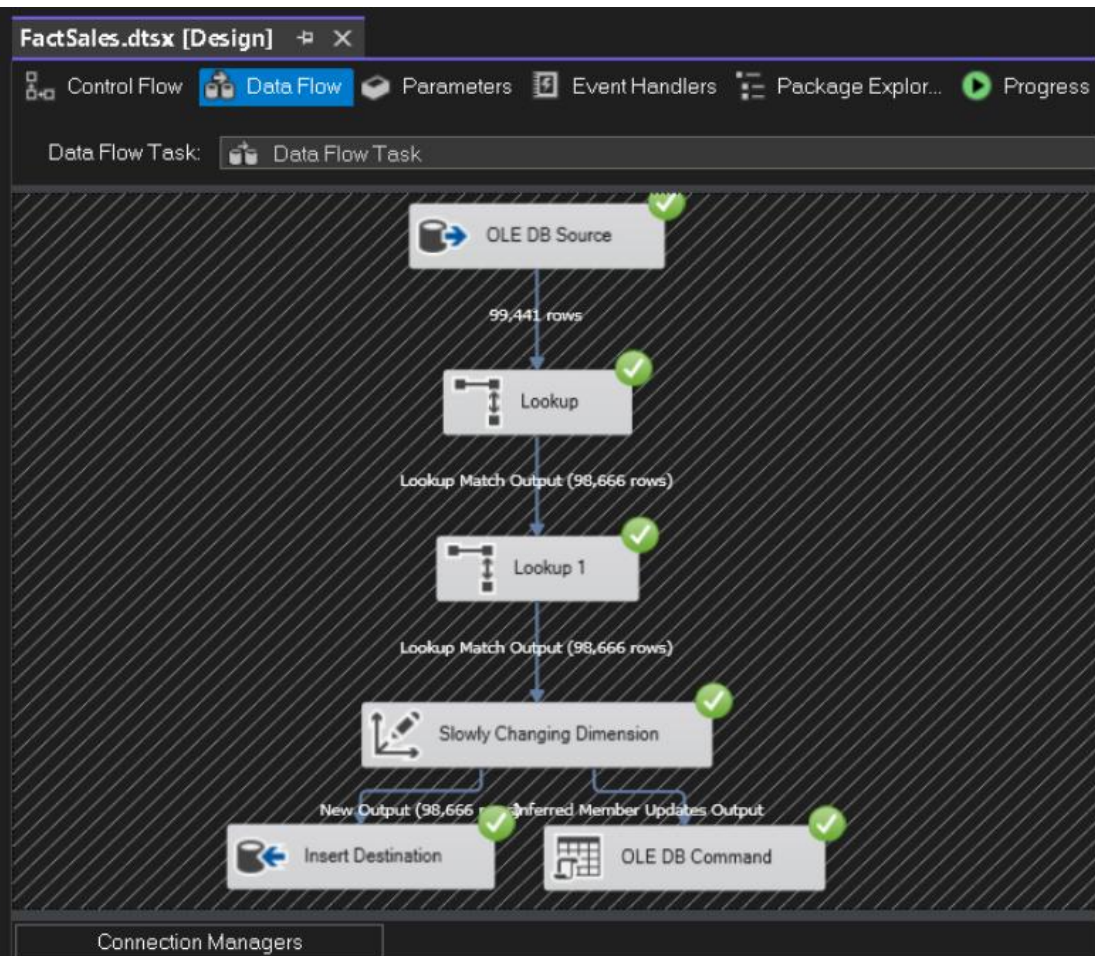
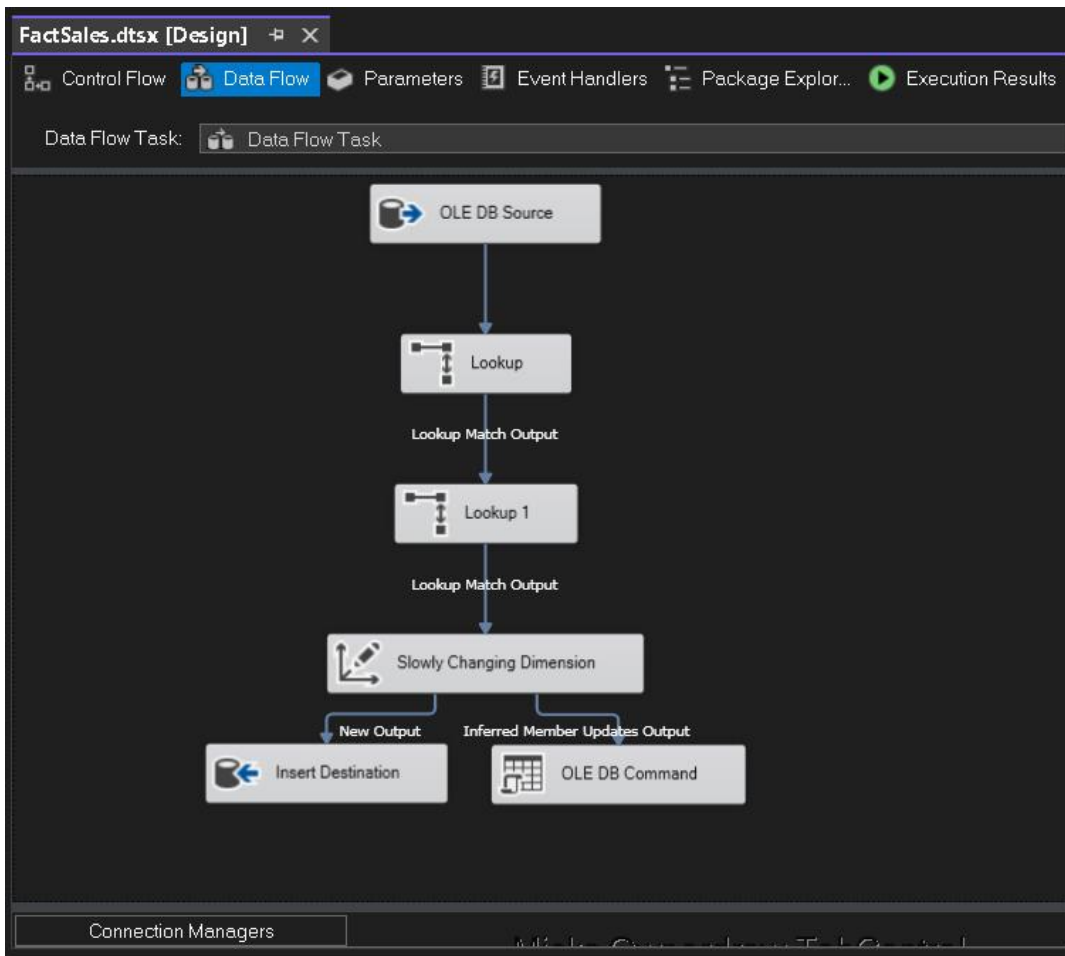


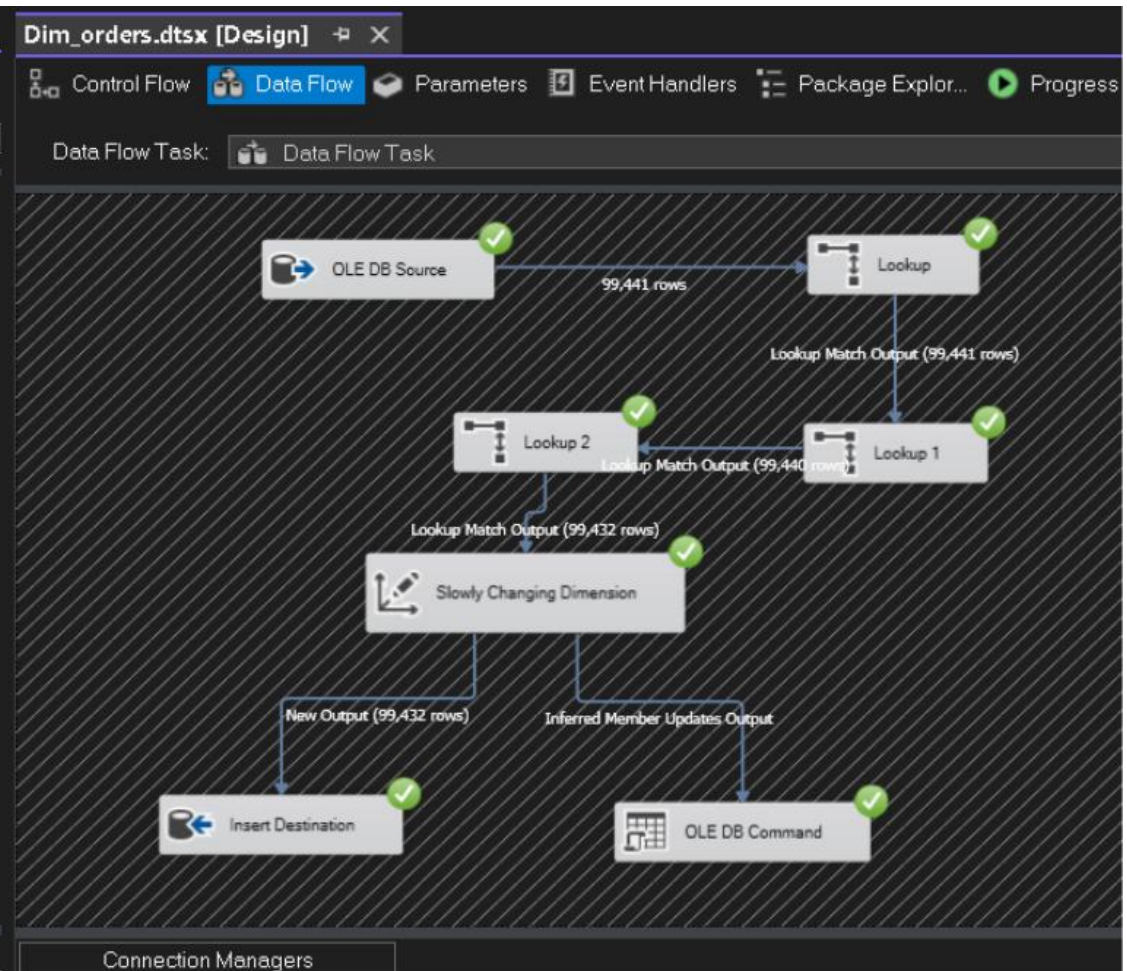
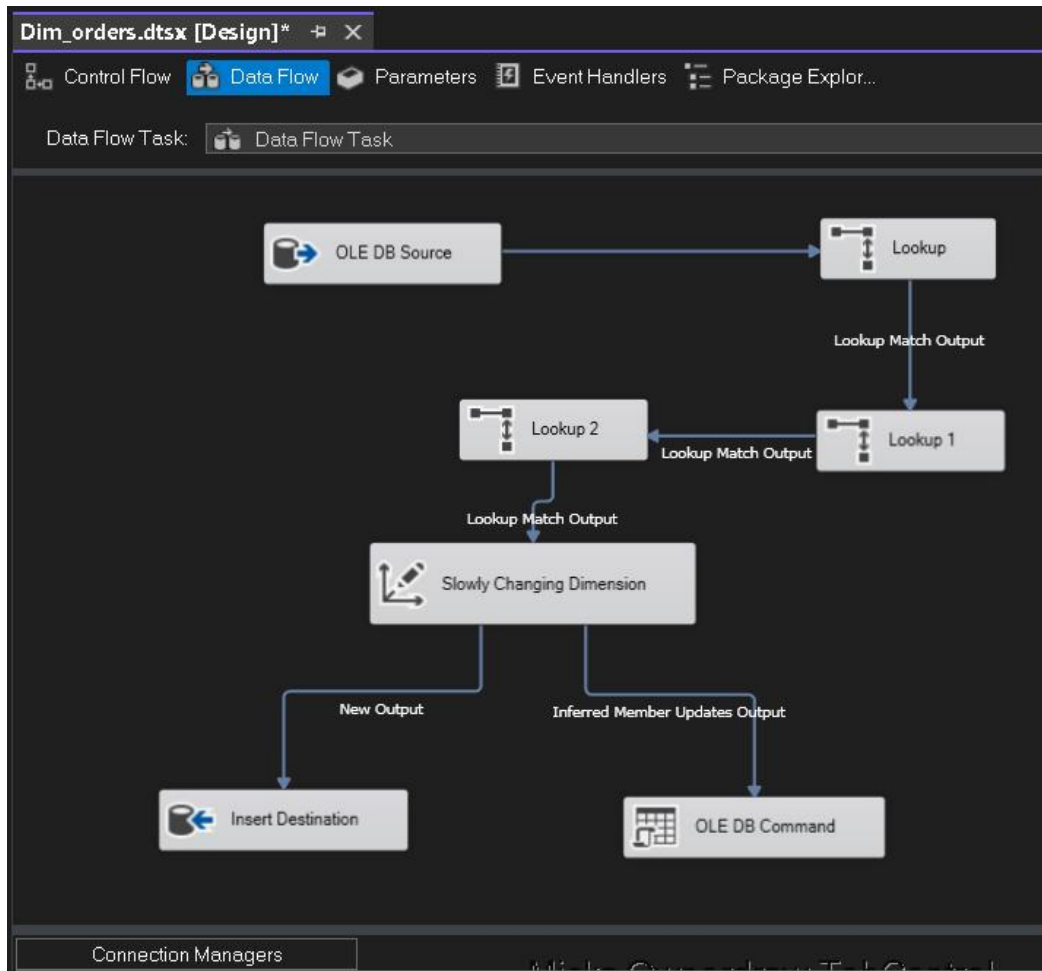

```

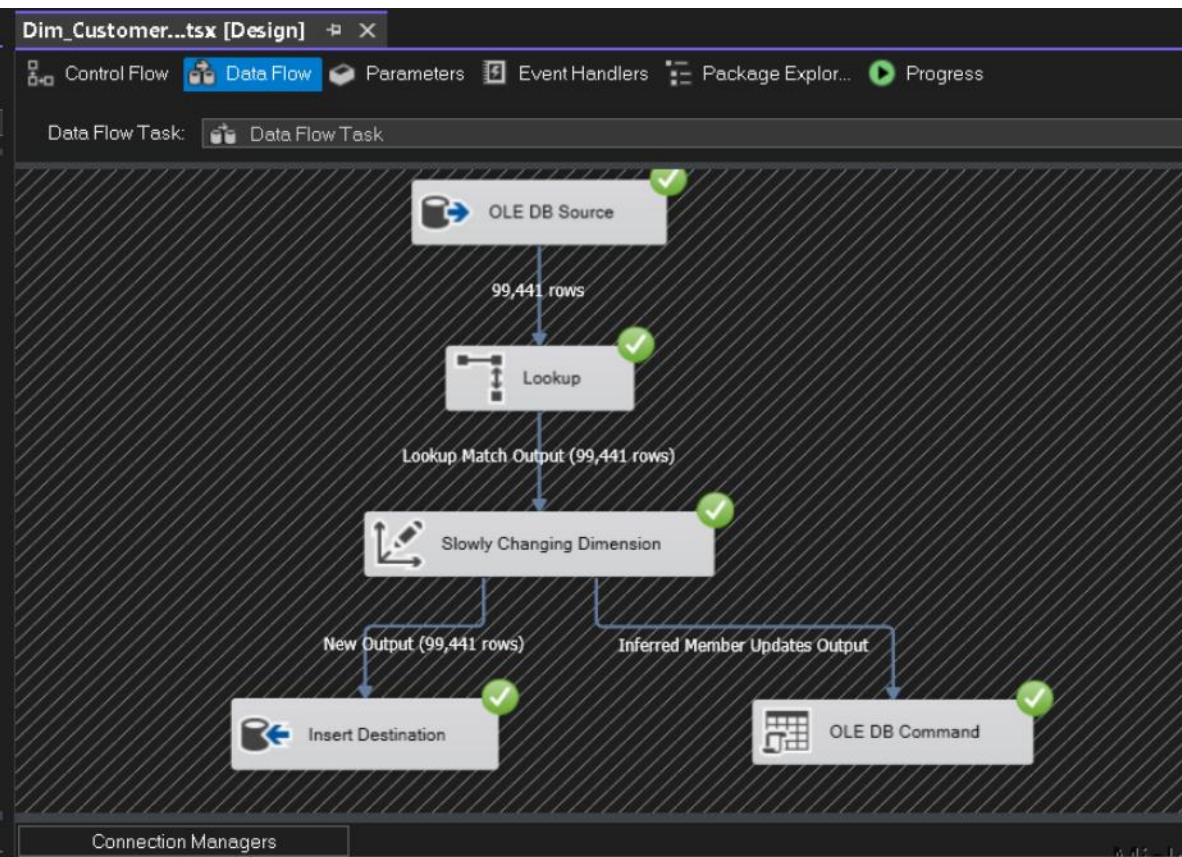
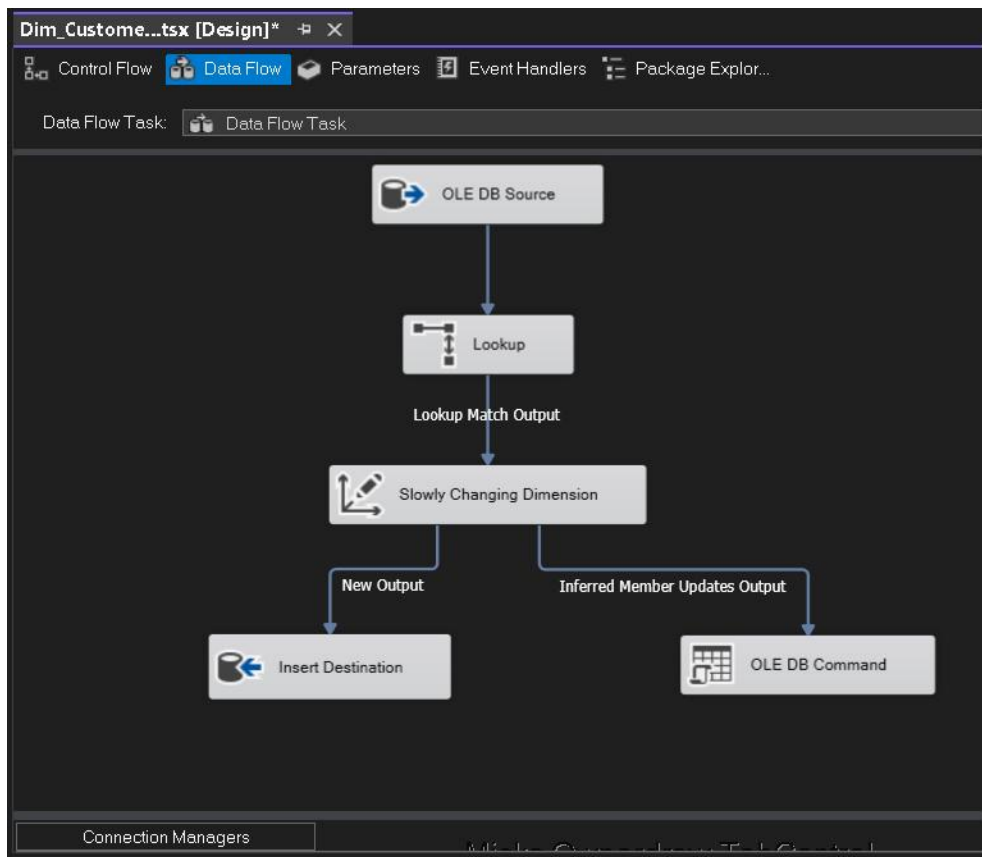
-----
/*
Build Fact Table According to Business Requirements.
*/
-->>Take Dim primary keys As Foreign.
SELECT
ord.order_id as order_key,
ord.customer_id as customer_key,
S.seller_id as seller_key,
Pro.product_id as product_key,
ord.order_purchase_timestamp as purchase_timestamp_key,
ord.order_approved_at as approved_at_key,
ord.order_delivered_carrier_date as delivered_carrier_date_key,
ord.order_delivered_customer_date as delivered_customer_date_key,
ord.order_estimated_delivery_date as estimated_delivery_date_key,
I.shipping_limit_date as shipping_limit_date_key,
I.product_counter as product_amount,
op.payment_value as sales_amount,
I.freight_value as freight_amount,
I.price as price_amount
INTO EC_DWH.dbo.Fact_Sales
FROM DBMS.dbo.orders as ord
Join DBMS.dbo.order_payments as op
on ord.order_id = op.order_id
Join DBMS.dbo.items as I
on ord.order_id = I.order_id
Join DBMS.dbo.sellers as S
on S.seller_id = I.seller_id
Join DBMS.dbo.products as Pro
on Pro.product_id = I.product_id;
-----
-->>Check The Fact Table.
SELECT * FROM EC_DWH.dbo.Fact_Sales;

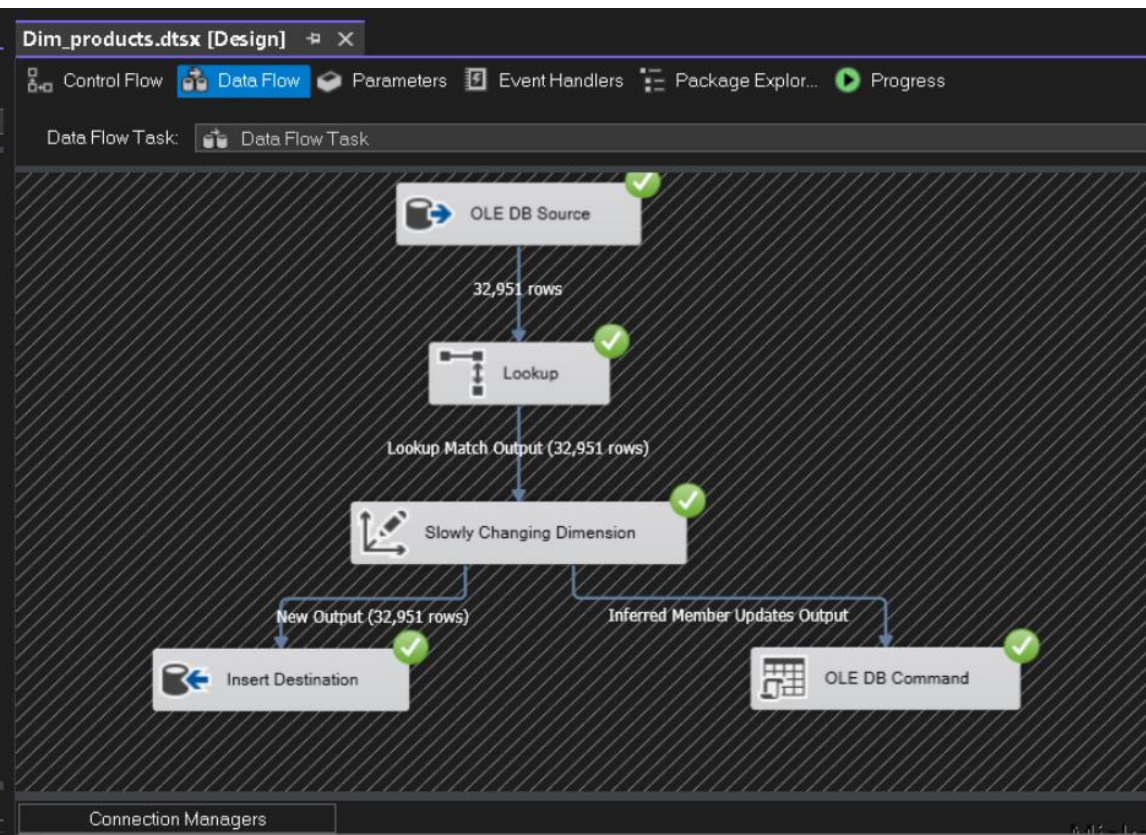
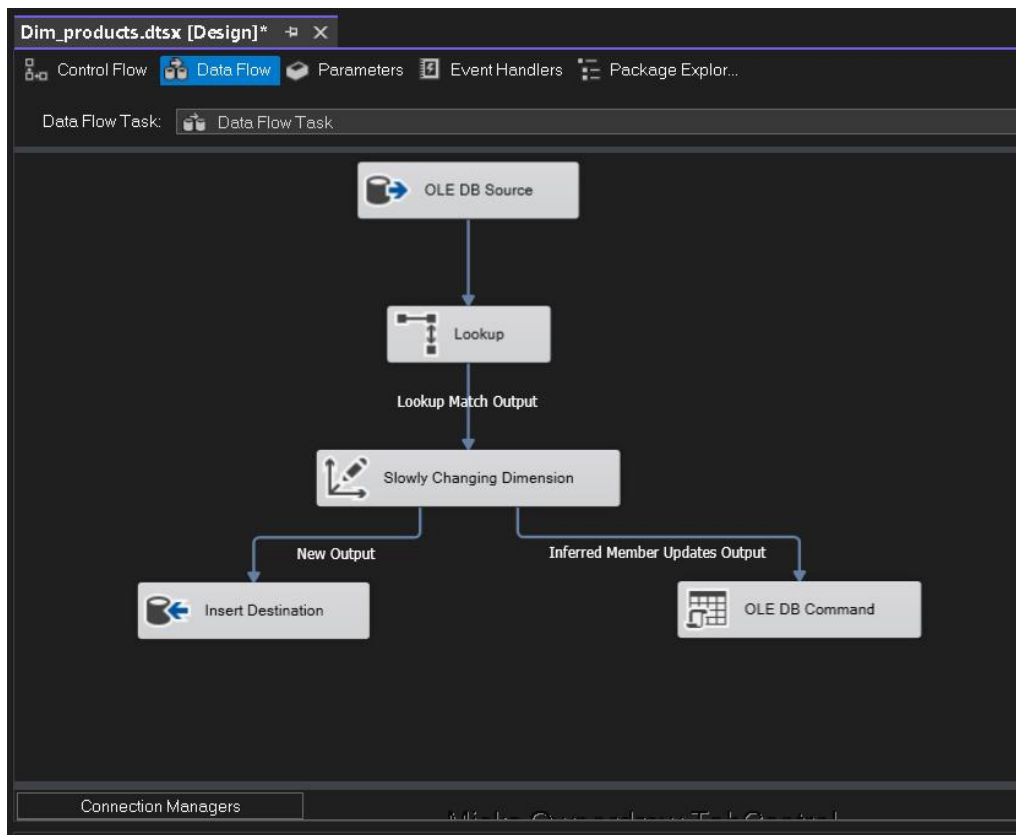
```

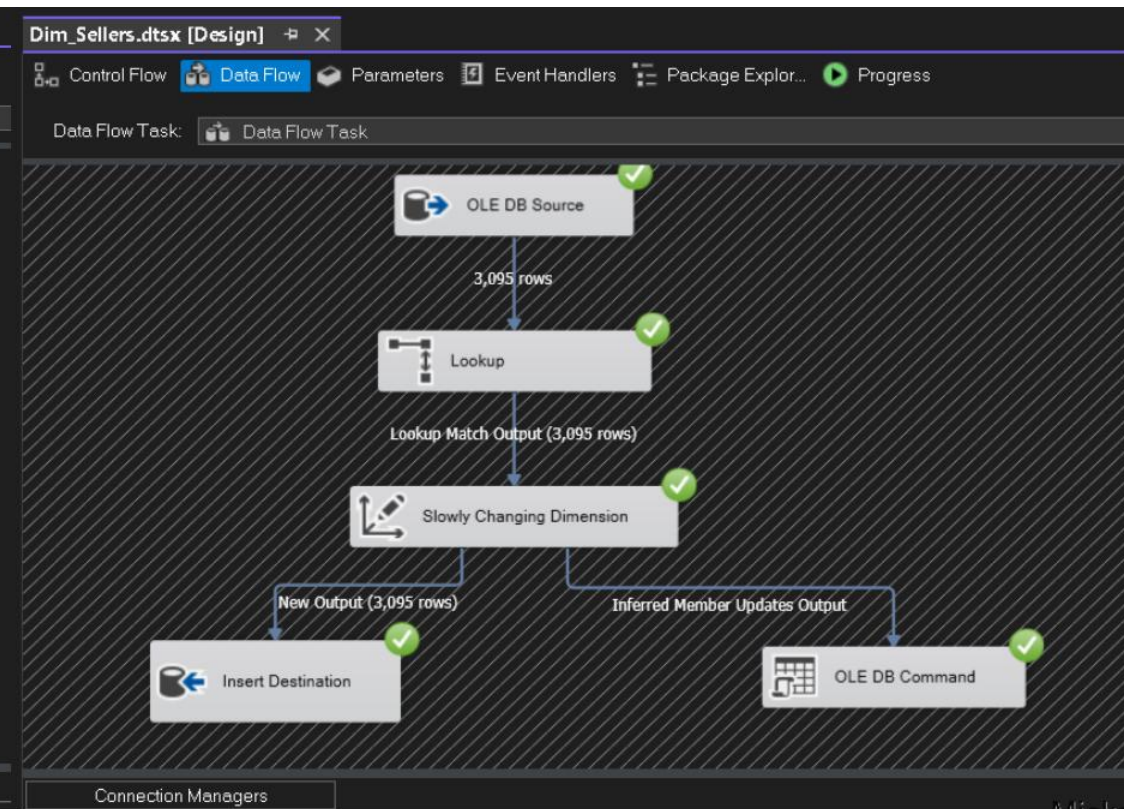
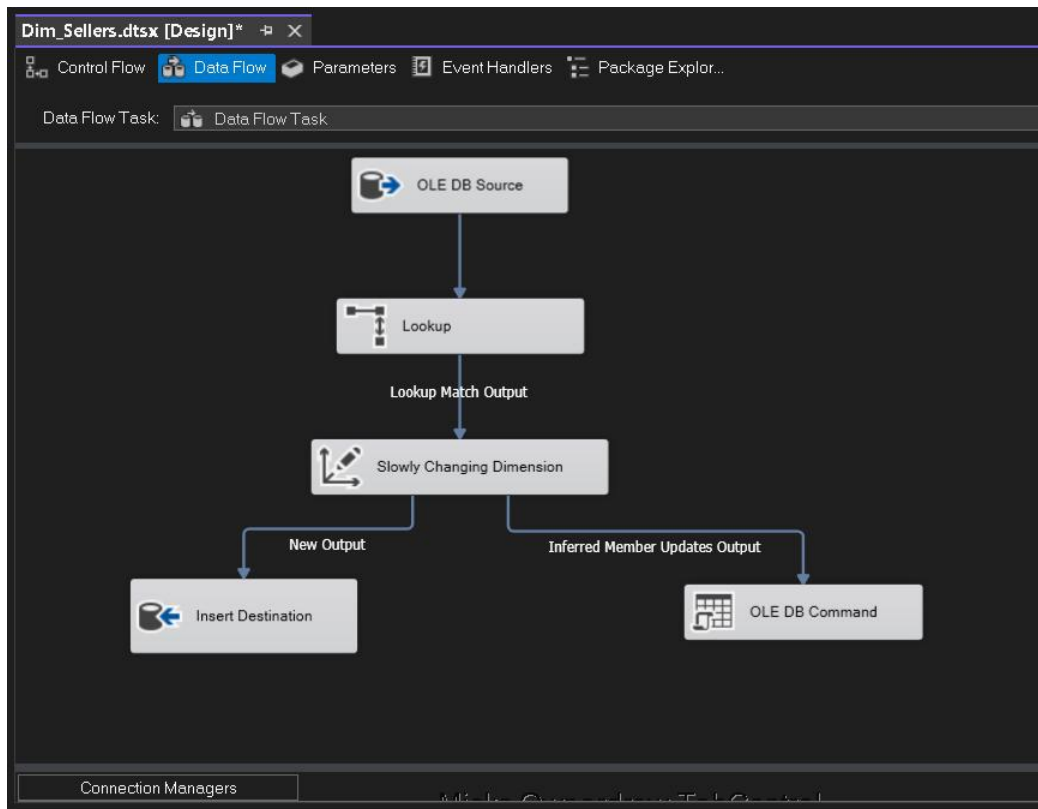












ECDBMS DWH.cube [Design]

Cube Struct...Dimension UsageCalculationsKPIsActionsPartitionsAggregationsPerspectivesTranslationsBrowser

Language: Default

Edit as TextImport...MDX

Metadata

Search Model

<All>

Measures

Fact Sales

Freight Amount

Product Amount

Sales Amount

KPIs

Approved At

Approved At.Date Key

Delivered Carrier Date

Delivered Carrier Date.Date Key

Delivered Customer Date

Delivered Customer Date.Date Key

Dim Customers

Dimension	Hierarchy	Operator	Filter Expression	Parameters
<Select dimension>				
Customer Id	Customer City	Product Category English Name	Payment Type	Status Type
00012a2ce6f8dcda2...	osasco	brinquedos	credit_card	delivered
000161a058600d59...	itapeperica	beleza_saude	credit_card	delivered
0001fd6190edaaf88...	nova venecia	bebes	credit_card	delivered
0002414f95344307...	mendonca	cool_stuff	boleto	delivered
000379cdec625522...	sao paulo	cama_mesa_banho	boleto	delivered
0004164d20a9e969...	valinhos	esporte_lazer	voucher	delivered
000419c5494106c3...	niteroi	fashion_bolsas_e_acessorios	credit_card	delivered
00046a560d407e99...	rio de janeiro	brinquedos	credit_card	delivered
00050bf6e01e69d5c...	tjui	fashion_bolsas_e_acessorios	credit_card	delivered
000598caf2ef41174...	oliveira	pet_shop	credit_card	delivered
0005aefbb696d34b3...	sao paulo	cama_mesa_banho	credit_card	delivered
00062b33cb9f6fe97...	são paulo	beleza_saude	boleto	delivered
00066ccb787a588...	novo hambur...	ferramentas_jardim	boleto	delivered
00072d033fe2e5906...	vitoria da con...	bebes	boleto	delivered
0009a69b72033b2d...	campinas	ferramentas_jardim	credit_card	delivered
000bf8121c3412d3...	jacareÃ-	moveis_decoracao	credit_card	delivered
000e943451fc2788c...	colorado	cama_mesa_banho	voucher	delivered
000f17e290c26b285...	frederico west...	esporte_lazer	boleto	delivered

Solution Explorer

Search Solution Explorer (Ctrl +)

Solution 'DBMSCubes' (1 of 1 project)

DBMSCubes

Data Sources

ECDBMS DWH.ds

Data Source Views

ECDBMS DWH.dsv

Cubes

ECDBMS DWH.cube

Dimensions

Dim Date.dim

Dim Customers.dim

Dim Sellers.dim

Dim Products.dim

Dim Orders.dim

Roles

Assemblies

Miscellaneous

Order by Items.rdl [Design]SalesByProduct.rdl [Design]TotalByCity.rdl [Design]SalesByCityan...t.rdl [Design]

DesignPreview

1 of 2?100%

E-commerce Database Management System

Sales By City And Product

City	Product Category	#Order	Status	#Items	Total Sales	Total Freight
Ãigua	informatica_acessorios	1	delivered	1	44	15.1
Ãigua	relogios_presentes	1	delivered	1	96.65	18.65
Ãiguas da	bebes	1	delivered	1	173.09	15.2
Ãiguas da	moveis_decoracao	4	delivered	4	481.59	64.05
Ãiguas da	telefonias	3	delivered	3	438.7	63.9
Ãiguas da	cama_mesa_banho	2	delivered	2	289.32	51.32
Ãiguas da	utilidades_domesticas	1	delivered	1	66.89	11.89
Ãiguas da	ferramentas_jardim	1	delivered	1	47.92	22.93
Ãiguas de lindÃ³ia	alimentos	1	delivered	1	128.04	13.14
Ãiguas de lindÃ³ia	bebes	1	delivered	1	149.42	14.52
Ãiguas de lindÃ³ia	construcao_ferramentas_construcao	1	delivered	2	531.92	16.06
Ãiguas de lindÃ³ia	fashion_calcados	1	delivered	1	51	15.1
Ãiguas de	brinquedos	1	delivered	1	212.73	13.83

Solution Explorer

Search Solution Explorer (Ctrl+)

Solution 'Report Project1' (1 of 1 project)

Report Project1

Shared Data Sources

Shared Datasets

Reports

Order by Items.rdl

SalesByCityandPorduct.rdl

SalesByProduct.rdl

TotalByCity.rdl

Order by Items.rdl [Design]SalesByProduct.rdl [Design]TotalByCity.rdl [Design]SalesByCityand...ctrdl [Design]

DesignPreview

1 of 2?100%

E-commerce Database Management System

The Total By City

City	Total Sales	Total Freight	Total Price
Ãgua comprida	140.65	33.75	106.9
Ãguas da prata	1497.51	229.29	1028.28
Ãguas de lindÃ³ia	4187.64	537.56	2730.19
Ãguas frias	318.98	28.98	290
Ãguas lindas de goiÃ³s	1157.44	174.48	926.46
Ãguas vermelhas	1042.29	68.2	464.69
aÃ³u	549.95	111.67	438.28
abaÃ³-ra	203	45.01	157.99
abadia dos dourados	413.5	54.6	358.9
abadiania	1025.52	75.53	949.99
abaete	1946.81	214	1732.81
abaetetuba	4801.72	536.48	3668.77
abaiara	332.15	69.25	262.9
abare	224.73	39.54	185.19
abatia	220.19	52.3	167.89
abdon batista	313.4	31.3	125.4
abdon batista	313.4	31.3	125.4

Solution Explorer

Search Solution Explorer (Ctrl+)

Solution 'Report Project1' (1 of 1 project)

Report Project 1

- Shared Data Sources
- Shared Datasets
- Reports
 - Order by Items.rdl
 - SalesByCityandPorduct.rdl
 - SalesByProduct.rdl
 - TotalByCity.rdl

Order by Items.rdl [Design]SalesByProduct.rdl [Design]TotalByCity.rdl [Design]SalesByCityand...ctrdl [Design]

DesignPreview

1 of 2 ? 100%

E-commerce Database Management System

Order By Items

Rownumber	order key	ID Items
1	1b15974a0141d54e36626dca3fdc731a	20
2	ab14fdcfbe524636d65ee38360e22ce8	20
3	428a2f660dc84138d969ccd69a0ab6d5	15
4	9ef13efd6949e4573a18964dd1bbe7f5	15
5	73c8ab38f07dc94389065f7eba4f297a	14
6	9bdc4d4c71aa1de4606060929dee888c	14
7	37ee401157a3a0b28c9c6d0ed8c3b24b	13
8	2c2a19b5703863c908512d135aa6accc	12
9	3a213fcdfe7d98be74ea0dc05a8b31ae	12
10	6c355e2913545fa6f72c40cbca57729e	11
11	8272b63d03f5f79c56e9e4120aec44ef	10
12	e8fa22c3673b1dd17ea315021b1f0f61	10
13	a483ffe0ce133740ab12ebcba8a3ccf9	10
14	f80549a97eb203e1566e026ab66f045b	10
15	c52c7fbe316b5b9d549e8a25206b8a1f	9
16	f368c3e5edb7b7db5296654ed37464b	9
17	03caa2c082116e1d31e67e9ae3700499	8
18	be382a9e1ed25128148b97d6bfdb21a	8
19	3e6f06c624c7f67d6a0710e39ca97f2b	7
20	895dce73de79888b14581541cf3a811b	7
21	dc43adc8cf44306503fd3db002d5db5f	7
22	e332eda82fe7ca4e86daf4f71ca785df	7

Solution Explorer

Search Solution Explorer (Ctrl+)

Solution 'Report Project1' (1 of 1 project)

Report Project1

Shared Data Sources

Shared Datasets

Reports

Order by Items.rdl

SalesByCityandPorduct.rdl

SalesByProduct.rdl

TotalByCity.rdl

Activate Windows

Go to Settings to activate Windows.

Solution Explorer

Git Changes

E-commerce Database Management System

