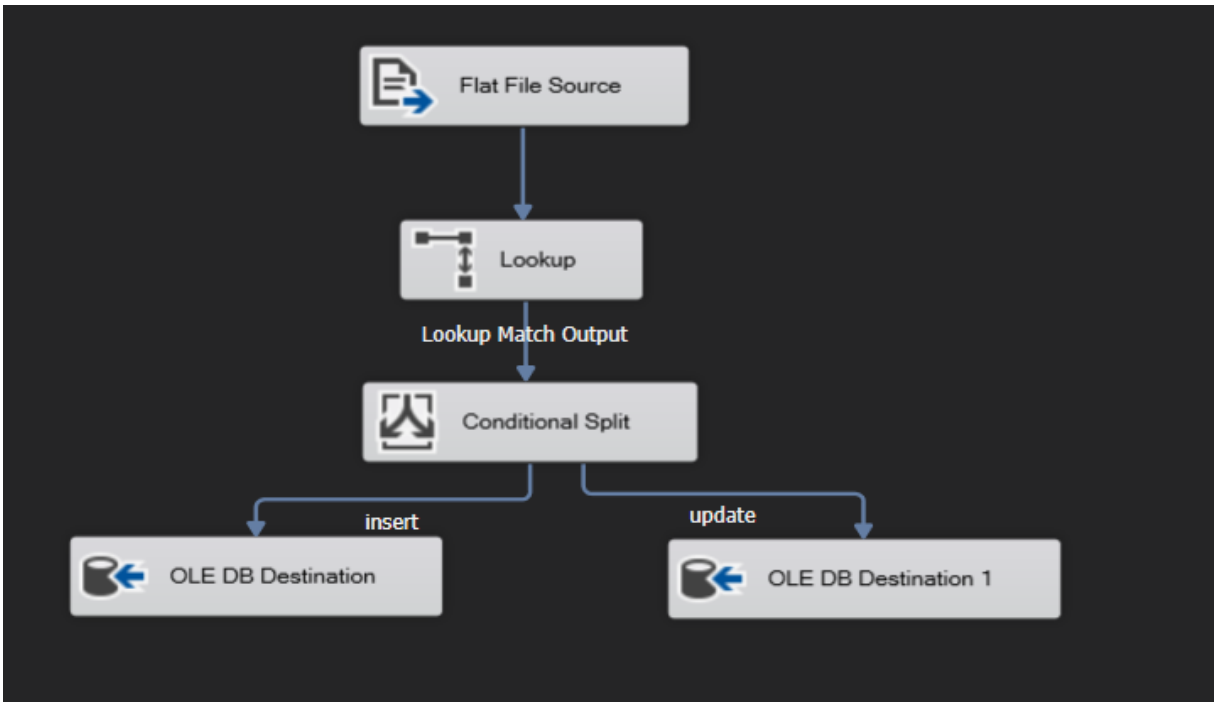
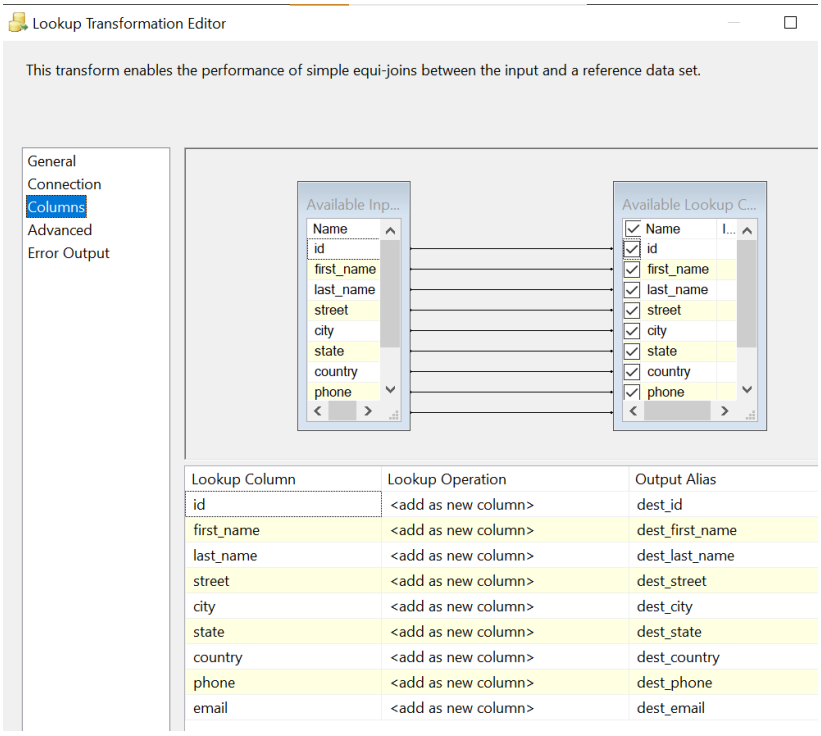
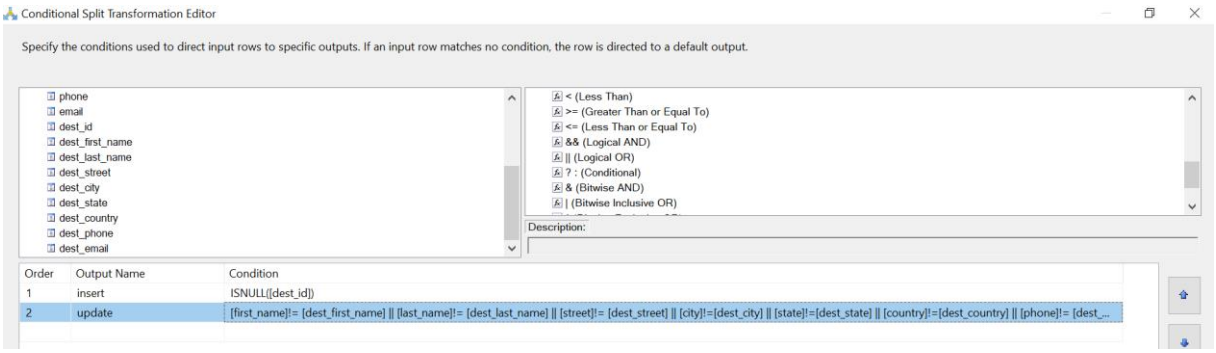
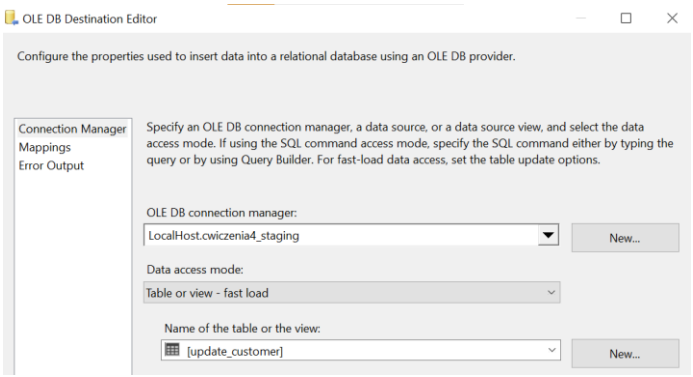
ZADANIE 1

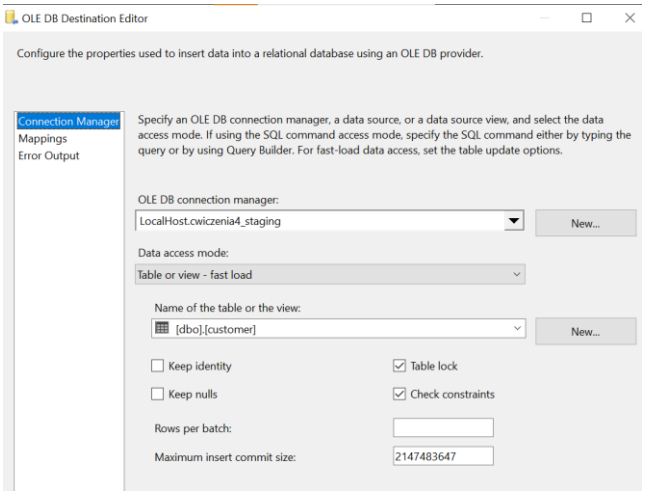


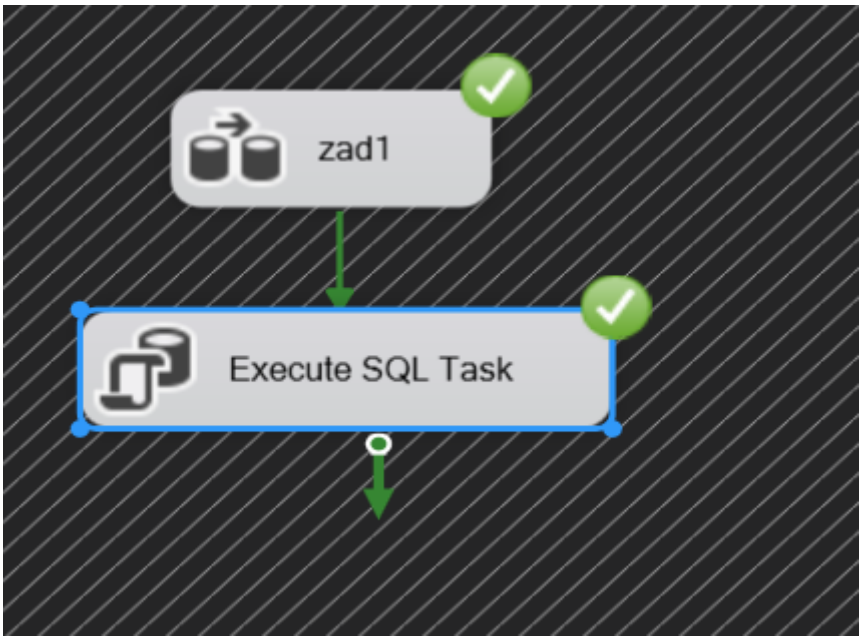


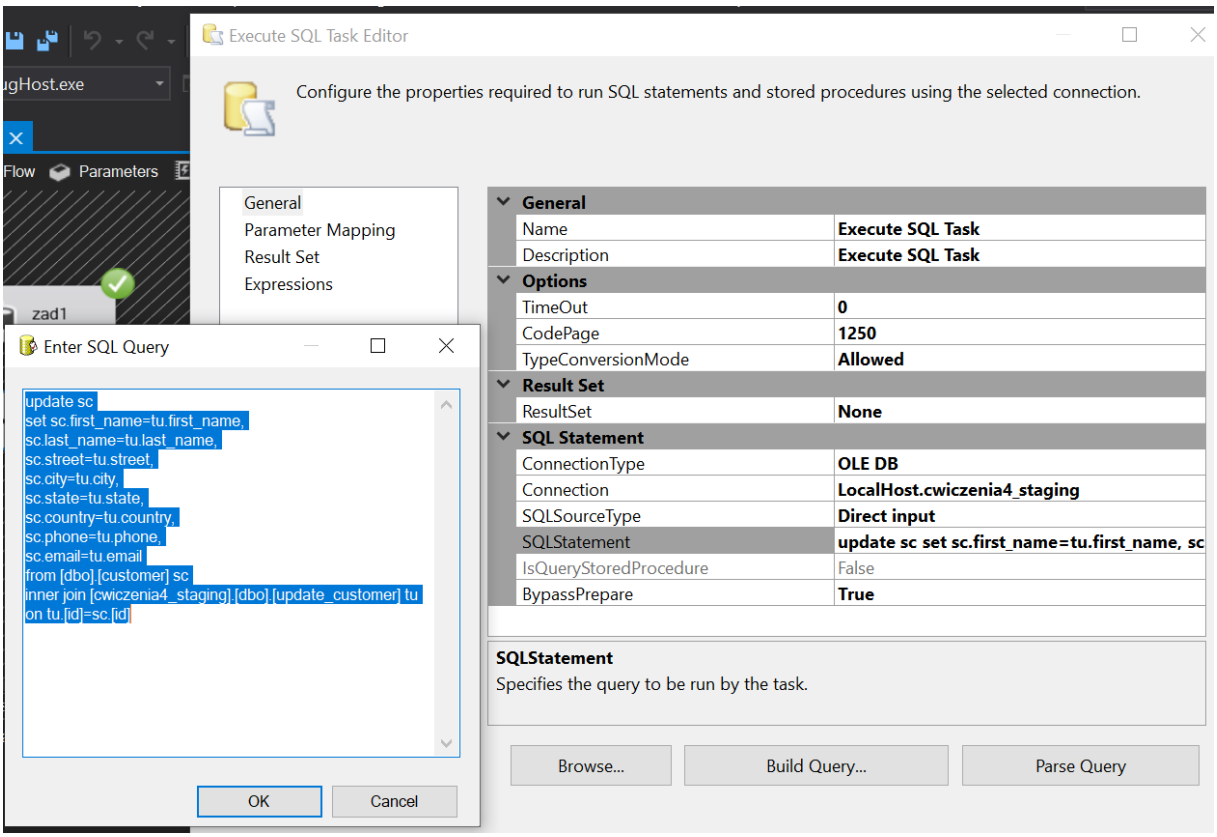
Lookup Column	Lookup Operation	Output Alias
id	<add as new column>	dest_id
first_name	<add as new column>	dest_first_name
last_name	<add as new column>	dest_last_name
street	<add as new column>	dest_street
city	<add as new column>	dest_city
state	<add as new column>	dest_state
country	<add as new column>	dest_country
phone	<add as new column>	dest_phone
email	<add as new column>	dest_email


Conditional Split Transformation Editor
Specify the conditions used to direct input rows to specific outputs. If an input row matches no condition, the row is directed to a default output.
phone
email
dest_id
dest_first_name
dest_last_name
dest_street
dest_city
dest_state
dest_country
dest_phone
dest_email
< (Less Than)
>= (Greater Than or Equal To)
<= (Less Than or Equal To)
&& (Logical AND)
|| (Logical OR)
? : (Conditional)
& (Bitwise AND)
| (Bitwise Inclusive OR)
Description:
Order
Output Name
Condition
1
insert
ISNULL([dest_id])
2
update
[first_name]!= [dest_first_name] || [last_name]!= [dest_last_name] || [street]!= [dest_street] || [city]!=[dest_city] || [state]!=[dest_state] || [country]!=[dest_country] || [phone]!= [dest_...

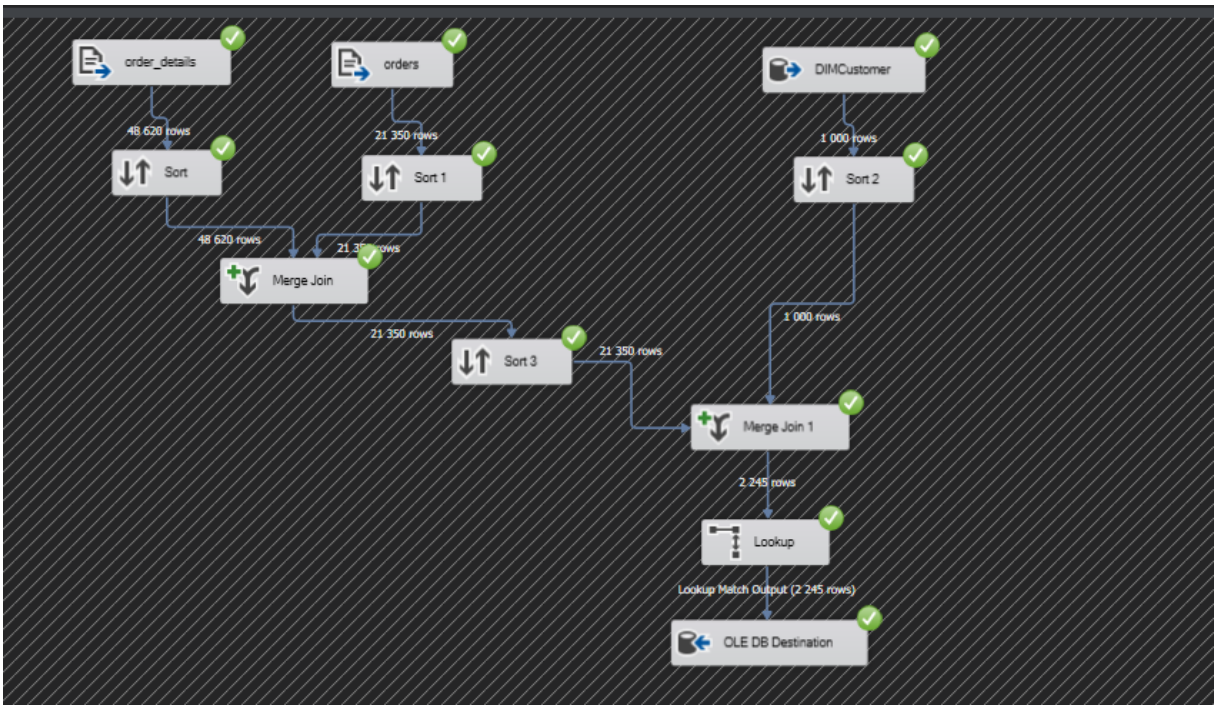

OLE DB Destination Editor
Configure the properties used to insert data into a relational database using an OLE DB provider.
Connection Manager
Mappings
Error Output
Specify an OLE DB connection manager, a data source, or a data source view, and select the data access mode. If using the SQL command access mode, specify the SQL command either by typing the query or by using Query Builder. For fast-load data access, set the table update options.
OLE DB connection manager:
LocalHost.cwiczenia4_staging
New...
Data access mode:
Table or view - fast load
Name of the table or the view:
[update_customer]
New...


OLE DB Destination Editor
Configure the properties used to insert data into a relational database using an OLE DB provider.
Connection Manager
Mappings
Error Output
Specify an OLE DB connection manager, a data source, or a data source view, and select the data access mode. If using the SQL command access mode, specify the SQL command either by typing the query or by using Query Builder. For fast-load data access, set the table update options.
OLE DB connection manager:
LocalHost.cwiczenia4_staging
New...
Data access mode:
Table or view - fast load
Name of the table or the view:
[dbo].[customer]
New...
Keep identity
Table lock
Keep nulls
Check constraints
Rows per batch:
Maximum insert commit size:
2147483647


zad1
Execute SQL Task


Execute SQL Task Editor
Configure the properties required to run SQL statements and stored procedures using the selected connection.
General
Parameter Mapping
Result Set
Expressions
Enter SQL Query
update sc
set sc.first_name=tu.first_name,
sc.last_name=tu.last_name,
sc.street=tu.street,
sc.city=tu.city,
sc.state=tu.state,
sc.country=tu.country,
sc.phone=tu.phone,
sc.email=tu.email
from [dbo].[customer] sc
inner join [cwiczenia4_staging].[dbo].[update_customer] tu
on tu.[id]=sc.[id]
OK
Cancel
General
Name
Execute SQL Task
Description
Execute SQL Task
Options
TimeOut
0
CodePage
1250
TypeConversionMode
Allowed
Result Set
ResultSet
None
SQL Statement
ConnectionType
OLE DB
Connection
LocalHost.cwiczenia4_staging
SQLSourceType
Direct input
SQLStatement
update sc set sc.first_name=tu.first_name, sc
IsQueryStoredProcedure
False
BypassPrepare
True
SQLStatement
Specifies the query to be run by the task.
Browse...
Build Query...
Parse Query

ZADANIE 2



SQLQuery29.sql - (...Q82SK\Ewelina (51)) | SQLQuery28.sql - (...Q82SK\Ewelina (70)) | SQLQuery27.sql - (...Q82SK\Ewelina (63

```
/****** Script for SelectTopNRows command from SSMS  ******/
SELECT TOP (1000) [idkey_customer]
      ,[order_details_id]
      ,[order_id]
      ,[pizza_id]
      ,[quantity]
      ,[date]
      ,[customer_id]
      ,[time]
      ,[carrier_id]
  FROM [cwiczenia4_staging].[dbo].[FactTables]
```

100 %

Results | Messages

	idkey_customer	order_details_id	order_id	pizza_id	quantity	date	customer_id	time	carrier_id
1	1	1	1	hawaiian_m	1	01.01.2015	449	11:38:36	3
2	10	24	10	mexicana_l	1	01.01.2015	137	14:23:01	2
3	10	25	10	southw_ckn_l	1	01.01.2015	244	14:44:44	2
4	100	234	100	hawaiian_l	1	04.01.2015	399	18:36:09	2
5	1000	2245	1000	mediterraneo_l	1	07.02.2015	939	12:30:31	2
6	1000	2244	1000	brie_carre_s	1	07.02.2015	243	12:24:36	1
7	101	236	101	pepperoni_l	1	04.01.2015	178	19:21:04	1
8	101	235	101	cali_ckn_l	1	04.01.2015	109	18:51:30	2
9	101	238	101	spicy_ital_m	1	04.01.2015	88	19:45:15	2
10	101	237	101	soppressata_l	1	04.01.2015	315	19:27:48	4
11	102	239	102	bbq_ckn_s	1	04.01.2015	661	19:57:52	3

ZADANIE 3

```
CREATE CLUSTERED INDEX idx_customer_state ON [dbo].[DIMCustomers] ([state])
select * from [dbo].[DIMCustomers]
```

100 %

Results | Messages

	idkey	id	first_name	last_name	street	city	state	country	phone	email	EffStartDate	EffE
1	27	27	Yardley	Stovell	2400 Quincy Avenue	Mobile	Alabama	United States	251-955-2202	ystovellq@flickr.com	2022-10-28	NUI
2	151	151	Willy	Lawfull	2 Bartelt Point	Montgomery	Alabama	United States	334-735-6242	wlawfull46@reference.com	2022-10-28	NUI
3	223	223	Audry	Spriddle	7 Lindbergh Plaza	Mobile	Alabama	United States	251-216-1369	aspriddle66@furl.net	2022-10-28	NUI
4	242	242	Rozella	Leabeater	3032 Beilfuss Plaza	Birmingham	Alabama	United States	205-915-1046	rleabeater6p@networkadvertising.org	2022-10-28	NUI
5	289	289	Chelsey	Frears	33 Sunfield Road	Birmingham	Alabama	United States	205-325-0582	cfrears80@usatoday.com	2022-10-28	NUI

ZADANIE 4

```
--zadanie 4
CREATE VIEW view_zad4 WITH SCHEMABINDING AS (
SELECT
	ft.[order_details_id],
	ft.[order_id],
	ft.[pizza_id],
	ft.[quantity],
	ft.[date],
	ft.[time],
	c.[carrier_id],
	c.[carrier_name],
	c.[address],
	c.[tax_id],
	c.[contact_person]
FROM [dbo].[carrier] c
JOIN [dbo].[FactTables] ft
ON c.[carrier_id] = ft.[carrier_id]
)


CREATE UNIQUE CLUSTERED INDEX idx_carrier_factTable ON [dbo].[view_zad4] (
[order_details_id],
[order_id],
[pizza_id],
[quantity],
[date],
[time],
[carrier_id],
[carrier_name],
[address],
[tax_id],
[contact_person]
)
```

ZADANIE 5

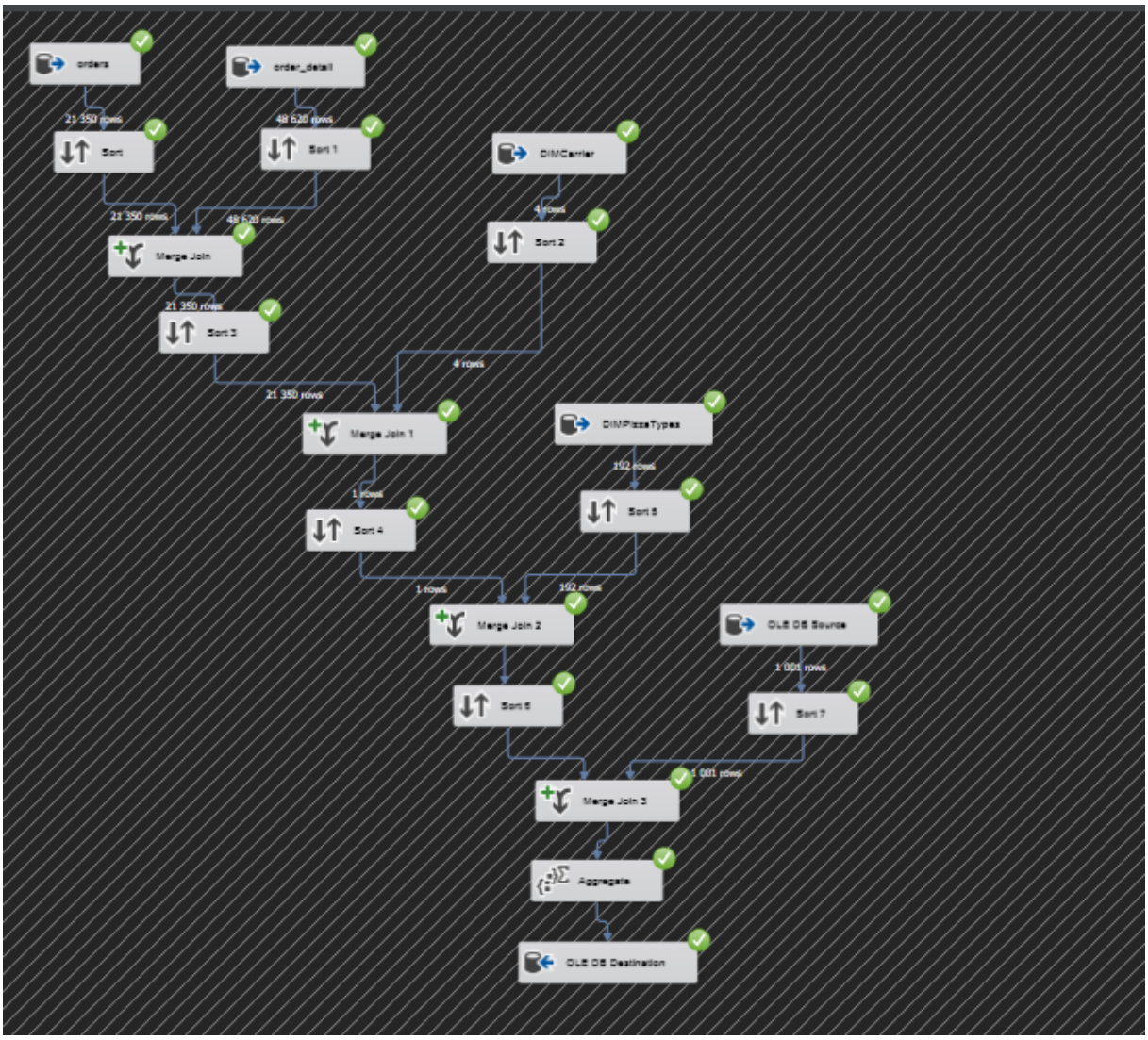
```sql
--zadanie 5
CREATE TABLE [dbo].[DIMState](
    [StateKey] [int] IDENTITY(1,1) NOT NULL,
    [id] [varchar](50) NULL,
    [state] [varchar](50) NULL,
    [EffStartDate] [date] NULL,
    [EffEndDate] [date] NULL
)
```

```sql
SELECT TOP (1000) [StateKey]
      ,[id]
      ,[state]
      ,[EffStartDate]
      ,[EffEndDate]
  FROM [cwiczenia4_staging].[dbo].[DIMState]
```

100 %

Results | Messages

	StateKey	id	state	EffStartDate	EffEndDate
1	1	0		2022-11-06	NULL
2	2	1	Kansas	2022-11-06	NULL
3	3	2	Missouri	2022-11-06	NULL
4	4	3	District of Columbia	2022-11-06	NULL
5	5	4	Florida	2022-11-06	NULL
6	6	5	Ohio	2022-11-06	NULL
7	7	6	New York	2022-11-06	NULL
8	8	7	District of Columbia	2022-11-06	NULL
9	9	8	North Carolina	2022-11-06	NULL
10	10	9	Tennessee	2022-11-06	NULL
11	11	10	Texas	2022-11-06	NULL
12	12	11	Colorado	2022-11-06	NULL
13	13	12	Virginia	2022-11-06	NULL
14	14	13	California	2022-11-06	NULL
15	15	14	Alberta	2022-11-06	NULL
16	16	15	Utah	2022-11-06	NULL
17	17	16	California	2022-11-06	NULL
18	18	17	Newfoundland an...	2022-11-06	NULL


orders
order_detail
21 350 rows
Sort
48 620 rows
Sort 1
DIMCarrier
4 rows
Sort 2
21 350 rows
48 620 rows
Merge Join
21 350 rows
Sort 3
4 rows
21 350 rows
Merge Join 1
DIMPizzaTypes
102 rows
1 rows
Sort 4
Sort 5
1 rows
102 rows
Merge Join 2
OLE DB Source
1 001 rows
Sort 6
Sort 7
1 001 rows
Merge Join 3
Aggregate
OLE DB Destination