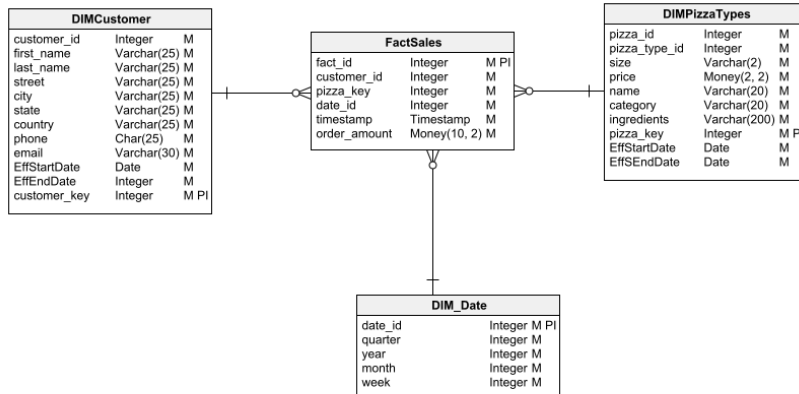
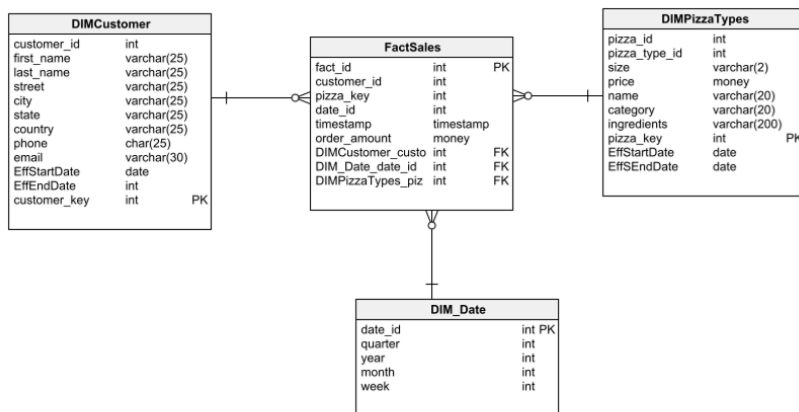


ZADANIE 1

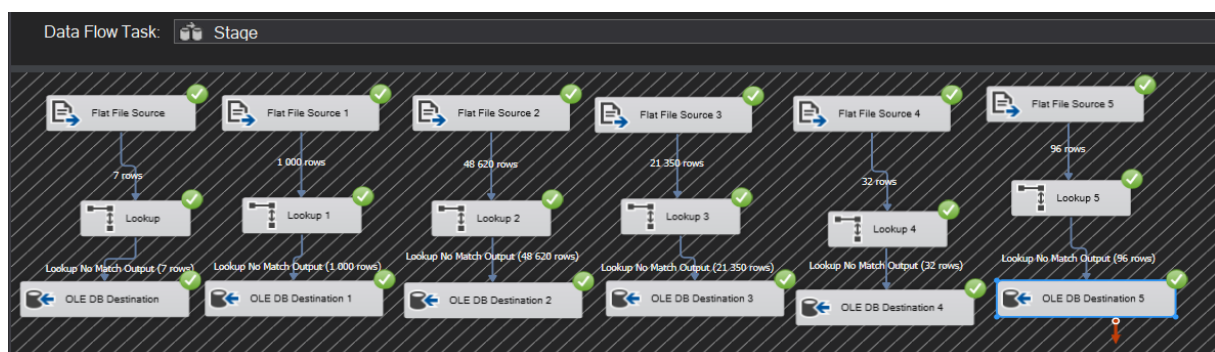
MODEL LOGICZNY:



MODEL FIZYCZNY:



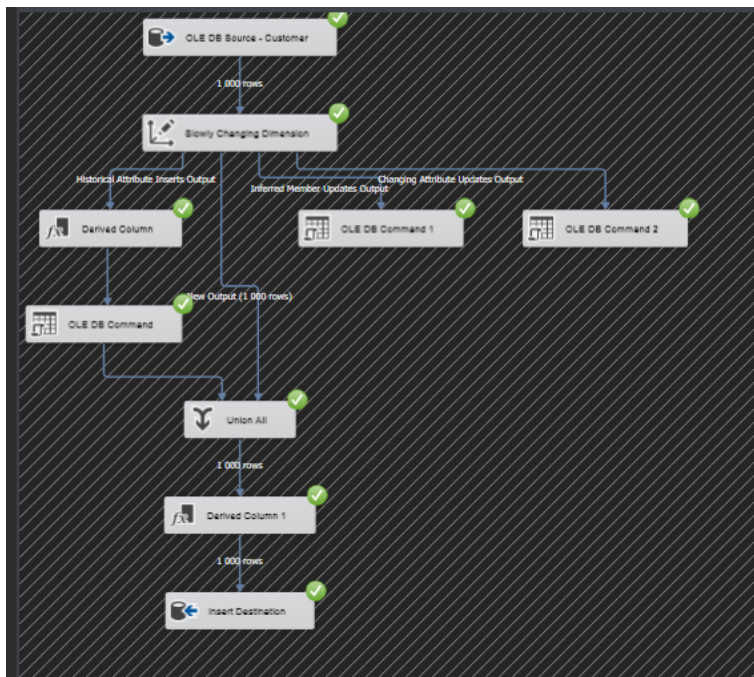
ZADANIE 2



- [-] cwiczenia4_staging
 - [-] Database Diagrams
 - [-] Tables
 - [-] System Tables
 - [-] FileTables
 - [-] External Tables
 - [-] Graph Tables
 - [-] dbo.carrier
 - [-] dbo.customer
 - [-] dbo.order_details
 - [-] dbo.orders
 - [-] dbo.pizza_types
 - [-] dbo.pizzas
 - [-] Views
 - [-] External Resources

ZADANIE 3

```
CREATE TABLE [dbo].[DIMCustomers](
    [idkey] int IDENTITY(1,1),
    [id] [varchar](50) NULL,
    [first_name] [varchar](50) NULL,
    [last_name] [varchar](50) NULL,
    [street] [varchar](50) NULL,
    [city] [varchar](50) NULL,
    [state] [varchar](50) NULL,
    [country] [varchar](50) NULL,
    [phone] [varchar](50) NULL,
    [email] [varchar](50) NULL,
    [EffStartDate] date,
    [EffEndDate] date
)
```

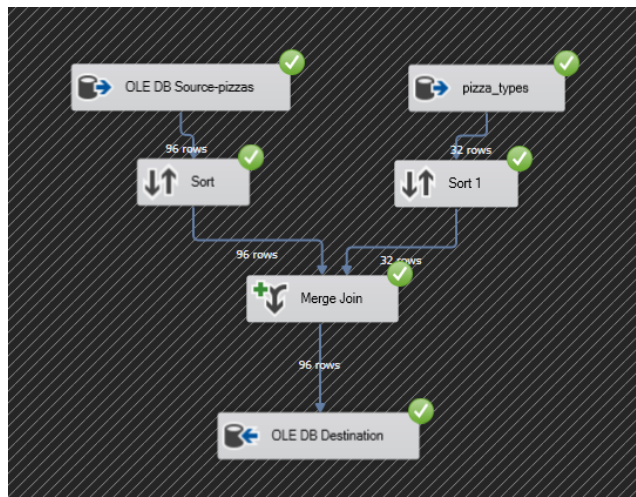


17 | SELECT * FROM [dbo].[DIMCustomers]

idkey	id	first_name	last_name	street	city	state	country	phone	email	EffStartDate	EffEndDate
1	1	Anatol	Gronou	87931 Tony Court	New York City	Kansas	United States	211-695-5506	agronou0@emp.com	2022-10-28	NULL
2	2	William	Thredder	4607 Moulton Street	Kansas City	Missouri	United States	816-695-5506	wthredder1@usda.gov	2022-10-28	NULL
3	3	Ralf	Lambrechts	4 Ryan Crossing	Washington	District of Columbia	United States	202-842-9482	rlambrechts2@dmz.org	2022-10-28	NULL
4	4	Newton	Frankling	60 Monica Plaza	Clearwater	Florida	United States	305-799-1204	nfrankling3@theglobeandmail.com	2022-10-28	NULL
5	5	Bidget	Gulleyes	93 Victoria Plaza	Warren	Ohio	United States	330-901-5781	bgulleyes4@theatlantic.com	2022-10-28	NULL
6	6	Stan	Corwin	41 Arizona Plaza	New York City	New York	United States	646-699-8596	scorwin5@joomla.org	2022-10-28	NULL
7	7	Delmor	Greenwell	41384 Westport Park	Washington	District of Columbia	United States	202-177-2551	dgreenwell6@squarespace.com	2022-10-28	NULL
8	8	Roddie	Gelder	799 Walton Park	Charlotte	North Carolina	United States	704-699-8941	rgelder7@123-reg.co.uk	2022-10-28	NULL
9	9	Sharlene	Balden	6 Tennyson Place	Nashville	Tennessee	United States	615-840-7955	sbalden8@techcrunch.com	2022-10-28	NULL
10	10	Rutherford	Hurley	1 Ridgeway Road	Mesquite	Texas	United States	214-817-7731	rhurley9@hatena.ne.jp	2022-10-28	NULL
11	11	Gran	Strutt	888 Monument Trail	Boulder	Colorado	United States	303-548-6761	gstutta@rambler.ru	2022-10-28	NULL
12	12	Shay	Clampe	7 Golf Course Cros...	Roanoke	Virginia	United States	540-504-8119	sclampe@nba.com	2022-10-28	NULL
13	13	Niue	Trevelthan	7 American Ash Pla...	Los Angeles	California	United States	562-890-1528	ntrevelthan@csamsung.com	2022-10-28	NULL
14	14	Langsdon	Mickiewicz	6 Florence Avenue	Spirit River	Alberta	Canada	395-674-9327	lmickiewicz@odnoklassniki.ru	2022-10-28	NULL
15	15	Oates	Mayhow	92806 Commercial ...	Salt Lake City	Utah	United States	801-175-2461	omayhowe@dagondesign.com	2022-10-28	NULL
16	16	Rog	Burditt	2 Londonderry Road	Burbank	California	United States	818-385-4230	rburditt@nature.com	2022-10-28	NULL
17	17	Mabelle	Crichten	26 Manufacturers P...	Wabana	Newfoundland an...	Canada	183-397-5607	mcrichten@canalblog.com	2022-10-28	NULL
18	18	Isidoro	McSkeagan	87 Sachtfen Parkway	Omemee	Ontario	Canada	824-755-9716	imskeaganh@de.vu	2022-10-28	NULL
19	19	Ginnie	Skeermor	80 Autumn Leaf Hill	Huntington	West Virginia	United States	304-443-2307	gskeermor@technorati.com	2022-10-28	NULL
20	20	Wat	Milham	16 Mayer Junction	Boston	Massachusetts	United States	857-833-9466	wmilhamj@altervista.org	2022-10-28	NULL
21	21	Phyllis	Borleasse	6928 Fuller Center	Lincoln	Nebraska	United States	402-770-3337	oborleassek@alibaba.com	2022-10-28	NULL

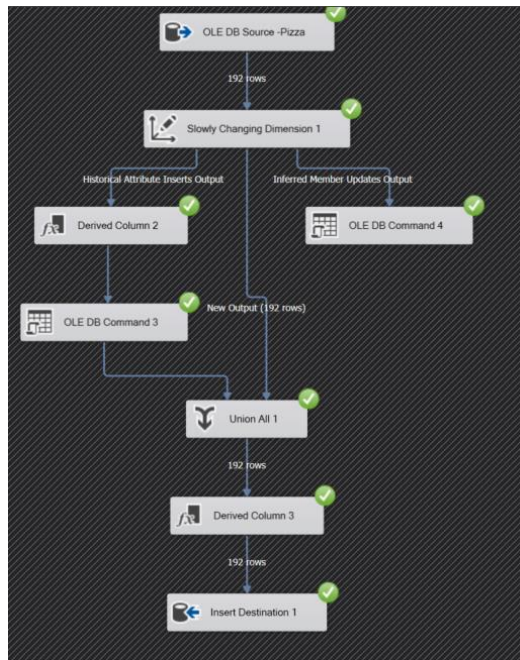
ZADANIE 4

```
CREATE TABLE [dbo].[DIMPizzaTypes](
    [pizzas_key] [int] IDENTITY(1,1) NOT NULL,
    [pizza_id] [varchar](50) NULL,
    [pizza_type_id] [varchar](50) NULL,
    [size] [varchar](50) NULL,
    [price] [varchar](50) NULL,
    [name] [varchar](50) NULL,
    [category] [varchar](50) NULL,
    [ingredients] [varchar](250) NULL,
    [EffStartDate] [date] NULL,
    [EffEndDate] [date] NULL
)
```



1 | SELECT * FROM dbo.merge_pizzas

	pizza_id	pizza_type_id	size	price	name	category	ingredients
1	bbq_ckn_s	bbq_ckn	S	12.75	The Barbecue Chicken Pizza	Chicken	"Barbecued Chicken, Red Peppers, Green Peppers, ..."
2	bbq_ckn_m	bbq_ckn	M	16.75	The Barbecue Chicken Pizza	Chicken	"Barbecued Chicken, Red Peppers, Green Peppers, ..."
3	bbq_ckn_l	bbq_ckn	L	20.75	The Barbecue Chicken Pizza	Chicken	"Barbecued Chicken, Red Peppers, Green Peppers, ..."
4	big_meat_l	big_meat	L	20.5	The Big Meat Pizza	Classic	"Bacon, Pepperoni, Italian Sausage, Chorizo Sausage"



```
1 SELECT * FROM dbo.DIMPizzaTypes|
```

	pizzas_key	pizza_id	pizza_type_id	size	price	name	category	ingredients	EffStartDate	EffEndDate
1	1	bbq_ckn_s	bbq_ckn	S	12.75	The Barbecue Chicken Pizza	Chicken	"Barbecued Chicken, Red Peppers, Green Peppers, T...	2022-10-28	NULL
2	2	bbq_ckn_m	bbq_ckn	M	16.75	The Barbecue Chicken Pizza	Chicken	"Barbecued Chicken, Red Peppers, Green Peppers, T...	2022-10-28	NULL
3	3	bbq_ckn_l	bbq_ckn	L	20.75	The Barbecue Chicken Pizza	Chicken	"Barbecued Chicken, Red Peppers, Green Peppers, T...	2022-10-28	NULL
4	4	big_meat_l	big_meat	L	20.5	The Big Meat Pizza	Classic	"Bacon, Pepperoni, Italian Sausage, Chorizo Sausage"	2022-10-28	NULL
5	5	big_meat_m	big_meat	M	16	The Big Meat Pizza	Classic	"Bacon, Pepperoni, Italian Sausage, Chorizo Sausage"	2022-10-28	NULL
6	6	big_meat_s	big_meat	S	12	The Big Meat Pizza	Classic	"Bacon, Pepperoni, Italian Sausage, Chorizo Sausage"	2022-10-28	NULL
7	7	brie_carre_s	brie_carre	S	23.65	The Brie Carre Pizza	Supreme	"Brie Carre Cheese, Prosciutto, Caramelized Onions, P...	2022-10-28	NULL
8	8	calabrese_m	calabrese	M	16.25	The Calabrese Pizza	Supreme	"Nduja Salami, Pancetta, Tomatoes, Red Onions, Frig...	2022-10-28	NULL
9	9	calabrese_s	calabrese	S	12.25	The Calabrese Pizza	Supreme	"Nduja Salami, Pancetta, Tomatoes, Red Onions, Frig...	2022-10-28	NULL
10	10	calabrese_l	calabrese	L	20.25	The Calabrese Pizza	Supreme	"Nduja Salami, Pancetta, Tomatoes, Red Onions, Frig...	2022-10-28	NULL
11	11	cali_ckn_l	cali_ckn	L	20.75	The California Chicken Pizza	Chicken	"Chicken, Artichoke, Spinach, Garlic, Jalapeno Pepper...	2022-10-28	NULL
12	12	cali_ckn_s	cali_ckn	S	12.75	The California Chicken Pizza	Chicken	"Chicken, Artichoke, Spinach, Garlic, Jalapeno Pepper...	2022-10-28	NULL
13	13	cali_ckn_m	cali_ckn	M	16.75	The California Chicken Pizza	Chicken	"Chicken, Artichoke, Spinach, Garlic, Jalapeno Pepper...	2022-10-28	NULL
14	14	ckn_alfredo_s	ckn_alfredo	S	12.75	The Chicken Alfredo Pizza	Chicken	"Chicken, Red Onions, Red Peppers, Mushrooms, Asia...	2022-10-28	NULL
15	15	ckn_alfredo_m	ckn_alfredo	M	16.75	The Chicken Alfredo Pizza	Chicken	"Chicken, Red Onions, Red Peppers, Mushrooms, Asia...	2022-10-28	NULL

ZADANIE 5

```
CREATE TABLE dbo.DimDate (
    [DateKey] int NOT NULL,
    [Date] DATE NOT NULL,
    [Day] TINYINT NOT NULL,
    [WeekOfYear] TINYINT NOT NULL,
    [Month] TINYINT NOT NULL,
    [Quarter] TINYINT NOT NULL,
    [Year] INT NOT NULL
)
```

```
DECLARE @CurrentDate DATE = '2015-01-01'
DECLARE @EndDate DATE = DATEADD(DAY, -1, DATEADD(YEAR, 10, @CurrentDate));
```

```
WHILE @CurrentDate < @EndDate
BEGIN
    INSERT INTO [dbo].[DimDate] (
        [DateKey],
        [Date],
        [Day],
        [WeekOfYear],
```

```

        [Month],
        [Quarter],
        [Year]
    )
    SELECT DateKey = YEAR(@CurrentDate) * 10000 + MONTH(@CurrentDate) * 100 +
DAY(@CurrentDate),
        DATE = @CurrentDate,
        Day = DAY(@CurrentDate),
        [WeekofYear] = DATEPART(wk, @CurrentDate),
        [Month] = MONTH(@CurrentDate),
        [Quarter] = DATEPART(q, @CurrentDate),
        [Year] = YEAR(@CurrentDate)

    SET @CurrentDate = DATEADD(DD, 1, @CurrentDate)
END

```

38 | `SELECT* FROM [dbo].DimDate`

100 %

Results Messages

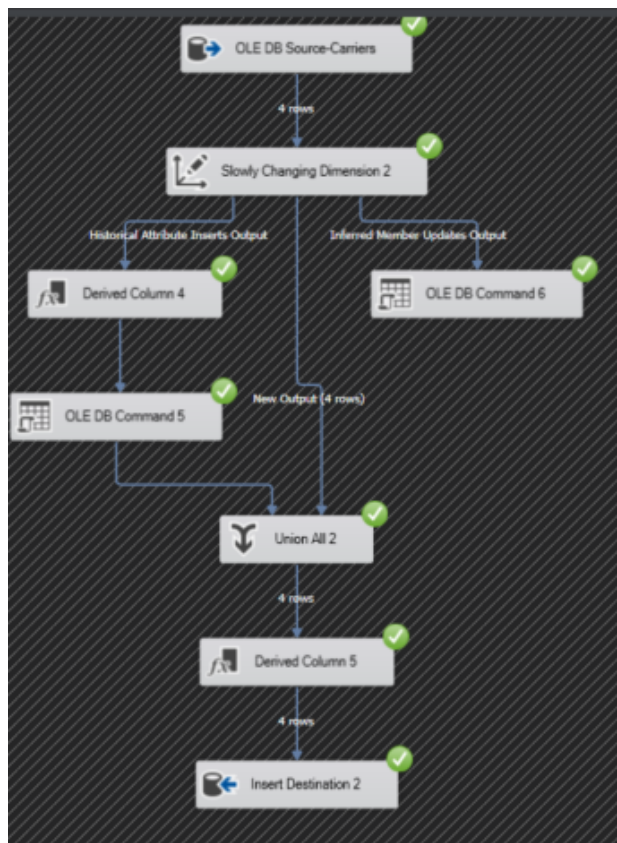
	DateKey	Date	Day	WeekOfYear	Month	Quarter	Year
1	20150101	2015-01-01	1	1	1	1	2015
2	20150102	2015-01-02	2	1	1	1	2015
3	20150103	2015-01-03	3	1	1	1	2015
4	20150104	2015-01-04	4	2	1	1	2015
5	20150105	2015-01-05	5	2	1	1	2015
6	20150106	2015-01-06	6	2	1	1	2015
7	20150107	2015-01-07	7	2	1	1	2015
8	20150108	2015-01-08	8	2	1	1	2015
9	20150109	2015-01-09	9	2	1	1	2015
10	20150110	2015-01-10	10	2	1	1	2015
11	20150111	2015-01-11	11	3	1	1	2015
12	20150112	2015-01-12	12	3	1	1	2015
13	20150113	2015-01-13	13	3	1	1	2015
14	20150114	2015-01-14	14	3	1	1	2015
15	20150115	2015-01-15	15	3	1	1	2015
16	20150116	2015-01-16	16	3	1	1	2015
17	20150117	2015-01-17	17	3	1	1	2015
18	20150118	2015-01-18	18	4	1	1	2015
19	20150119	2015-01-19	19	4	1	1	2015
20	20150120	2015-01-20	20	4	1	1	2015
21	20150121	2015-01-21	21	4	1	1	2015
22	20150122	2015-01-22	22	4	1	1	2015
23	20150123	2015-01-23	23	4	1	1	2015

ZADANIE 6

```

1 CREATE TABLE [dbo].[DIMCarrier](
2     [carrier_idkey] int IDENTITY(1,1),
3     [carrier_id] [varchar](50) NULL,
4     [carrier_name] [varchar](50) NULL,
5     [address] [varchar](50) NULL,
6     [tax_id] [varchar](50) NULL,
7     [contact_person] [varchar](50) NULL,
8     [EffStartDate] date,
9     [EffEndDate] date
10 )

```



Script for SELECT options command from SCD2

```

2 SELECT * FROM [cwiczenia4_staging].[dbo].[DIMCarrier]

```

100 %

Results Messages

	carrier_idkey	carrier_id	carrier_name	address	tax_id	contact_person	EffStartDate	EffEndDate
1	1	"1"	Bolt	""711 County Rd #44 Marion	Alabama(AL)	36756"";80794,a.adams@bolt.com"	2022-10-28	NULL
2	2	"2"	Uber	""124 Elizabethton Way Clinton	Tennessee(TN)	37716"";516387,b.bonsohn@uber.com"	2022-10-28	NULL
3	3	"3"	Volt	""29741 Little Bear Dr Danbury	Wisconsin(WI)	54830"";162056,c.callente@volt.com"	2022-10-28	NULL
4	4	4	Own	n/a	563452	n/a	2022-10-28	NULL